PHASE I / PHASE II ENVIRONMENTAL ASSESSMENT CLINTON ENGINES PROPERTY 605 EAST MAPLE STREET MAQUOKETA, IOWA

Prepared For:

CITY OF MAQUOKETA 201 East Pleasant Street Maquoketa, Iowa 52060

Prepared By:

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October 15, 1999 C99E028



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October 15, 1999

Mr. Brian Wagner, City Manager City of Maquoketa 201 East Pleasant Street Maquoketa, Iowa 52060

RE:

Phase I / Phase II Environmental Assessment

Clinton Engines Property 605 East Maple Street Maquoketa, Iowa MSA No. C99E028

Dear Mr. Wagner:

Missman, Stanley & Associates, P.C. (MSA) has completed a Phase I / Phase II environmental site assessment of the property located at 605 East Maple Street in Maquoketa, Iowa.

The Phase I environmental assessment was completed in general accordance with ASTM Designation E 1527-97 and our proposal dated June 24, 1999. Results of our assessment are discussed in the report attached herewith. The attached report also discusses intrusive environmental assessment activities that were performed at the site with the intent of addressing the concerns identified during phase I. If you have any questions regarding the information discussed in our report, please do not hesitate to contact our office. MSA appreciates this opportunity to work with the City of Maquoketa, and we look forward to continuing our working relationship in the future.

Sincerely,

MISSMAN, STANLEY & ASSOCIATES, P.C.

Paul A. Loete, P.E.

Project Manager

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October 15, 1999

1.0 INTRODUCTION

Missman, Stanley & Associates, P.C. (MSA) has completed a Phase I and II environmental assessment on the property located at 650 East Maple Street in Maqouketa, Iowa. This assessment was conducted consistent with our proposal dated June 24, 1999, and letters dated September 24 and 25, 1999. A Site Location Map that depicts the location of the subject property is included as Figure 1, Appendix A. Figure 2, Appendix A, presents a Site Diagram that shows property features.

2.0 PURPOSE AND SCOPE

The objective of this assessment was to identify, to the extent feasible pursuant to the methods discussed herein, recognized environmental conditions in connection with the property, and to address those concerns with intrusive testing. The phase I portion of the assessment was completed in accordance with the protocol for performing Phase I Environmental Site Assessments as set forth in ASTM Designation E 1527-97. The phase II portion of the project was designed and conducted specifically with the intent to address the concerns identified during the phase I.

On September 10, 1999, a Missman, Stanley & Associates (MSA) representative performed a site reconnaissance of the subject property. During the site reconnaissance, MSA personnel traversed the perimeter and accessible areas of the property. MSA personnel also noted the adjacent properties and their uses in an attempt to identify potential off-site environmental impacts that might exist. Additionally, the scope of this assessment included the review of aerial photographs, Assessor's Record, and interviews with the property owners.

Intrusive environmental assessment activities were performed on September 23 and 24, 1999. The intrusive assessment included the advancement of eight boreholes and the collection of soil and groundwater samples for chemical analysis.

3.0 SITE OVERVIEW

3.1 Site Location

The subject property is located within the southwest quarter of Section 19, Township 84 North, Range 3 East in Jackson County, Iowa. Specifically the property is located at the southeast corner of the intersection of South Clark Street and East Maple Street in Maqouketa, Iowa. The subject property is addressed 605 East Maple Street. Figure 1, Appendix A, presents



an excerpt of a USGS 7.5-minute topographic map that depicts the location of the subject property.

3.2 Site Geology and Topography

3.2.1 USGS Topographic map

According to the USGS quadrangle map that contains the subject property and surrounding area, the property is situated at a land elevation of approximately seven hundred feet above sea level. Topography in the area of the property is generally flat, but slopes down toward the southwest toward a tributary of the Maquoketa River. The Maquoketa River is approximately five thousand feet northwest of the property, and flows toward the east.

3.2.2 Rock Island County Soil Survey

The Soil Survey of Jackson County dated 1988 was reviewed to obtain information regarding soil characteristics in the vicinity of the subject property. Soils in the area were defined by the soil survey as Urban Land. According to the soil survey, Urban Land occurs in nearly level areas on high stream benches and uplands in and around cities. In many areas the structures are built on cut or fill material and no land capability classification is assigned.

3.3 Adjacent Properties

MSA performed a site reconnaissance of the subject property on September 10, 1999. During the Site Reconnaissance, MSA traversed the accessible areas of the subject property and viewed adjacent properties for indications of potential environmental impacts that may exist. Reference Figure 2, Appendix A, for a Site Diagram that depicts adjacent properties and their usage. Photographs of the subject and adjacent property are included as Appendix E.

The subject property was bordered on the south by undeveloped agricultural land. Clark Street was immediately west of the site, beyond which was residential development. Maple Street was located immediately north of the Clinton Engines property. Commercial and residential development, including a bulk petroleum storage facility, were observed to the north of Maple Street. A railroad track was east of the subject site. Industrial/commercial development, including an apparent agricultural chemical storage facility were observed east of the railroad track.

3.4 Subject Property

The subject property occupied an area of approximately twelve acres, including an office building, active machine shop, and dilapidated foundry structures. The office building was situated on the western portion of the property, south of which was the active machine shop area. The vacant and dilapidated portion of the site was contiguous with and east of the machine shop. Reference Figure 2, Appendix A for a Site Diagram that shows site features.

The office building was rectangular in shape and occupied a footprint area of approximately 5200 square feet. The structure was two stories and constructed of brick. The



interior of the office building included a lobby area, offices, storage areas, a mechanical room, a meeting room and rest rooms. Based on the appearance of the interior of the office building, it appeared as though the building had not been updated since construction. Ceiling tile and other building materials were damaged in several of the rooms. The office building structure was surrounded by grass and trees on the west, north, and east. The active machine shop structure was south of the office building.

The machine shop area of the property encompassed approximately 71,000 square feet. This area had a concrete floor and included presses and other metal working equipment. Oil staining was noted on the concrete floor in some areas of the machine shop, and absorbent materials were also observed. The concrete floor appeared to be in good condition, and free of large cracks or joints that may allow oils or coolants to migrate directly into the soil below the floor. This area was also equipped with floor drains, that reportedly drain to the sanitary sewer system. A long and relatively narrow area was west of the machine shop. This area was used for a tool and die room on the southern portion of the facility and as parts storage on the northern portion of the facility. The parts storage area included cardboard boxes that had apparently been water damaged over the years.

Several compressors and other utilities were situated along the eastern portion of the machine shop area. It appeared as though several of the compressors were out of use. Again, oil-like staining was noted on the floor under and adjacent to the compressors and utilities. Several rooms were east of the machine shop and adjacent to the compressor area. These included an apparent chemical storage room, a boiler room, and a maintenance. During our site reconnaissance, the apparent chemical storage room was full of water, and therefore observation of this room was limited. The maintenance room stored several electric motors and had a rectangular pit in the floor. The pit appeared to contain an oil-like substance.

The area immediately east of the boiler/maintenance rooms will be referred herein as the central portion of the structure. The central portion of this structure included a shipping/receiving area, paint booths, and storage area. The shipping/receiving area and one of the paint booths were currently active, however the majority of this area was abandoned and contained parts and debris. Items stored in this area included engine parts, various drums, lawn mower parts, metal shavings, paint containers, hardware, and wire. An apparent water well and tank were observed near the southern portion of the central portion of the structure. A sump pit and miscellaneous storage and debris were southwest of the water well. An enclosed room, apparently formerly utilized as an office area was situated near the southeast corner of the central portion of the structure. The roof of the former office area was fallen in and dilapidated. Near the southeast corner of the enclosed area was a room which contained chemical containers such as fifty five gallon drums. A green substance was observed on the floor of this area. It appeared as though storm water was mixing with the chemicals and flowing through a hole in the wall of the structure. The storm water flowed onto a concrete pad south of the structure.

A shipping and staging area and a former foundry were east of the central portion of the structure. This section was vacant, however remnants of electrical equipment, wood, metal debris, various fifty five gallon drums, electrical motors, pumps, light ballast and pressure tanks were observed. East of the foundry, large blocks of concrete and brick were scattered about on a concrete pad. This appeared to be remnants of a former building. Two other, mostly vacant



buildings were east of the concrete and rubble. These buildings included brick, concrete rubble, various drums, metal debris and electrical motors.

Another rectangular structure of approximately 12,000 square feet in area was situated along the southern property line. This structure was mostly vacant, but appeared to have remnants of die casting, which included a furnace, large fans, electrical equipment, metal debris and pipes protruding from the floor. The area between the main structure and the southern most structure was partially covered with dirt, and partially paved. Miscellaneous remnants of the foundry were observed along the exterior of the structure, including chemical storage tanks, and process equipment. Additionally, two pipes, potentially associated with an underground storage tank (UST) were observed west of the southern most structure.

The area surrounding the facility was primarily vegetated with grass east and north of the structures on the property. A metal shed was north of the receiving area and east of the office building. The shed was mostly vacant, but contained miscellaneous remnants of the facility. Several pipes, potentially associated with a UST were noted in a overgrown area immediately east of the shed. A concrete pad was observed north of the easterly building and east of the metal shed. Utility poles were located along the southern edge of the subject property. Upon observation of the transformers appeared to be in good condition, there was no evidence of fluids leaking from the transformers. Reference Figure 2, Appendix A, for a Site Diagram that depicts site features at the time of the site reconnaissance. Photographs of the subject property are included as Appendix E.

4.0 SITE HISTORY REVIEW

Historical materials relative to the area of the subject property were gathered and reviewed with the intent of attempting to determine prior site usage that may have contributed to affecting the environmental quality of the site.

4.1 Interviews

4.1.1 Property Occupants

In an effort to obtain information about historic usage of the subject property and surrounding area, MSA interviewed Mr. Bill Mayberry, Vice President of Marketing for Clinton Engines and John Melroy, Secretary and Treasurer for Clinton Engines. During the interview, Mr. Mayberry and Mr. Melroy conveyed information on the present and historic usage of the property. Upon questioning, Mr. Mayberry and Mr. Melroy mentioned the following significant points:

- Clinton Engines acquired the property in approximately 1950 from The Maquoketa Company, the property was agricultural land prior to The Maquoketa Company ownership developing the property for industrial use.
- The west side of the building is presently and has historically been utilized as a machine shop, the central portion of the building was the die cast foundry, and the



eastern portion of the facility was utilized for casting and shake-out, where sand was removed from the casting molds.

- There are currently three paint booths in the existing manufacturing building and there was formerly a dip tank in the foundry.
- To the best of their knowledge, several underground storage tanks (USTs) located on the north side of the main building were removed from the site in approximately 1986. The tanks formerly stored gasoline and toluene.
- An UST storing fuel oil and utilized for the boiler back-up system is located east of a metal shed on the site. This tank was last used in approximately 1985.
- The boiler and all die cast equipment was fired by natural gas. The boiler was also setup to use fuel oil as an alternative fuel.
- A water well is located in the central portion of the facility, however Mr. Mayberry and Mr. Melroy were not aware of the well depth, and did not have documentation as to the date the well was installed.
- An area adjacent to the boiler room was utilized as a maintenance area for equipment and fork lifts. The pit in the floor was for workers to access equipment for maintenance.
- To the best of their knowledge, when oil spills occurred within the manufacturing area, oil dry was used and the materials were disposed of with the domestic garbage.
- According to Mr. Mayberry and Mr. Melroy, Safety Kleen transported and disposed
 of all hazardous waste generated on site.
- To the best of their knowledge, chemicals have not been disposed of on the property.

4.1.2 Former Factory Employee

MSA interviewed Mr. Jack Hinz, former employee of the Clinton Engines factory. Upon inquiry, Mr. Hinz mentioned that he worked at the site from 1951 to 1978. He also mentioned that the factory manufactured outboard boat motors, lawn mowers, and saws. Mr. Hinz stated that there were formerly several USTs located along the exterior of the northern wall of the machine shop building, and two other USTs located east of the metal shed on the property.

4.1.3 Maquoketa Fire Department

MSA contacted Mark Beck of the City of Maquoketa Fire Department to obtain information regarding historic fires, chemical spills or emergency response scenarios on the subject property. According to City of Maquoketa records, in there was a minor vehicle fire on the subject property, however no other records of potential adverse environmental scenarios were on file with the fire department.



4.2 Aerial Photograph Review

In an effort to obtain information relative to the history of development on the subject property and surrounding area, MSA personnel reviewed aerial photographs of the property available at the City of Maquoketa Library. Aerial photographs dated 1936, 1978 and 1990 were reviewed.

1936 Aerial Photograph

Review of the 1936 photograph revealed the area of the subject property to be undeveloped agricultural land. Agricultural land was also observed to the north and south of the subject property. Residential development was observed to the west and south of the subject property area. An apparent tree farm was observed to the east of the subject property area.

1978 Aerial Photograph

Review of the 1978 photograph revealed the area of the subject property to be generally consistent with the conditions observed during the site reconnaissance. The property included one large structure near the southern portion of the property, and several smaller structures around the subject property. The aerial depicted the presence of stored materials along the eastern and northeastern property boundaries. Additionally, several apparent semi-trailers and vehicles were parked along the northern property boundary north of the loading & shipping area. The photo also depicted the presence of a structure in the area of where the concrete rubble was identified on the eastern portion of the property. nA railroad track paralleled the eastern property boundary. To the east of the railroad was agricultural property and commercial development. Maple Street was present immediately north of the subject property. A large structure and parking lot were observed north of the Maple Street. Clark Street was present immediately west of the subject property. To the west of Clark Street was residential development. Agricultural land was observed to the south of the subject site.

1990 Aerial Photograph

Review of the 1990 aerial photograph revealed property conditions consistent with those observed in the 1978 aerial photograph. Industrial/commercial development was observed to the east of the subject site. The surrounding properties appeared to be consistent with those observed in the 1978 photograph.

4.3 Assessor's Record

MSA visited the City of Maquoketa Assessor in an effort to obtain information about the structures on the property. The assessor's data contained information as to the number and size of the structures on the property, but did not reveal information such as chemical storage areas of waste disposal areas on the property.



4.4 Historic Facility Map

MSA reviewed a blueprint of the facility dated 1965 to gain information regarding historic operations on the property. The map identified the activities that occurred in various areas of the facility. The drawing did not show chemical storage areas or tanks. Waste disposal areas were not identified on the map.

4.5 Historical Summary

Based upon our review of the information discussed in this report, it appears that the subject property has historically been utilized for industrial purposes since approximately 1945. Review of aerials revealed several industrial/commercial structures on site since at least 1978. An interview with the property occupants revealed that chemical storage and manufacturing activities historically existed on the subject property.

5.0 ENVIRONMENTAL INFORMATION REVIEW

MSA retained the services of Environmental FirstSearch to provide a comprehensive environmental database review. The database review was performed with the intent of attempting to identify adjacent properties that may potentially impact the subject property.

The following table provides a summary of the environmental database information reviewed, including the database type and number of sites within the search radius. The databases that were searched and the search radii from the subject property were selected consistent with the requirements for performing Phase I Environmental Site Assessments in ASTM Practice E-1527. A copy of the environmental database report is included as Appendix C.

Database Type	ASTM Radius (Miles)	Number of Occurrences
USEPA Databases		
NPL	1	0
CORRACTS	1	0
TSD	0.5	0
CERCLIS	0.5	1
RCRA GEN	0.25	Ī
State Databases		
UST	0.25	4
LEAKING UST	0.5	7
ERNS	0.25	0
SWLF	0.5	0
SPL	1	0

A summary of the environmental databases searched follows.



NPL

The National Priority List is the USEPA's database of uncontrolled or abandoned hazardous waste sites, which have been prioritized for remedial actions under the Superfund program. No sites were listed on the NPL database as being within one mile of the subject property.

CORRACTS

This database includes Resource Conservation and Recovery Act (RCRA) facilities that are undergoing "corrective action". A "corrective action order" is issued when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. No sites were identified on the CORRACTS database as being within 1 mile of the subject property.

TSD

RCRA Treatment, Storage, and Disposal (TSD) facilities database is a compilation of facilities which report the treatment, storage, or disposal of hazardous waste. No sites were listed on the TSD database as being within one-half mile of the subject property.

CERCLIS

The CERCLIS database contains sites that are either proposed to be on the NPL or sites which are currently in the environmental assessment and evaluation phase. One CERCLIS site was identified within one-half mile of the property. The site was identified as Maquoketa FMGP located at 109 South Matteson Street.

RCRA GENERATORS

The RCRA small quantity generators database contains sites which report the generation of small quantities of hazardous waste. One site was listed on the RCRA generators database as being within one-quarter mile of the property. The site was identified as the subject property.

LUST

The Leaking Underground Storage Tank database contains a compilation of registered UST sites which have been identified to have leaked. Seven LUST sites were identified within one-half mile of the subject property. The LUST sites that were identified are as follows:

Site	Location
Former Roadside Auto Sales	510 E. Platt Street
Caseys	801 E. Platt Street
Dudes 66	409 E. Platt Street
Coastal Mart #2438	302 E. Platt Street
East Platt North Starr	303 E. Platt Street
U S West	121 N Olive
Maquoketa Web Printing	1209 E Maple Street



SWLF

Solid Waste Facilities/Landfill Sites (SWLF) records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps. No SWLF sites were identified within one-half mile of the subject property.

SPL

The State equivalent Priority List is a state database, which contains sites listed on the state NPL list. No State sites were identified within one mile of the subject property.

UST

The State Underground Storage Tank database contains sites that have registered USTs. Five sites were listed on the UST database as being within one-quarter mile of the property. The UST sites were identified as follows:

<u>Site</u>	Location
Clinton Engines	605 E. Maple Street
Former Roadside Auto Sales	510 E. Platt Street
Caseys	801 E. Platt Street
Dude S 66	409 E. Platt Street

ERNS

The Emergency Response Notification System database contains information on reported releases of oil and hazardous substances. No ERNS sites were identified in the database search as being within one-eighth of a mile of the subject property.

5.1 Environmental Database Summary

Environmental FirstSearch conducted a review of environmental databases maintained by the USEPA and IDNR. According to the database report, the subject property was identified on the RCRA Generators and UST databases. The RCRA Generators database only indicates that hazardous wastes are generated at the site, not necessarily that a release has occurred. The database report indicated that six USTs have been registered to the site. Further the database report indicated that four of the six tanks have been removed from the site, and two 20,000 gallon diesel tanks remain active at the site.

Based on land surface topography in the vicinity of the property, it is likely that groundwater flow direction in the area of the subject property is probably toward the south, southwest. Several environmental database sites were identified by the environmental database report as being within the ASTM defined radii from the subject property, and north (upgradient) of the subject property. Based on the magnitude of the releases at these sites, and the hydrogeology of the area of the property, there is a potential that constituents associated with these sites could migrate onto the subject property.



5.2 Unmappable Sites

A common shortcoming of environmental database information is that often several database sites cannot be accurately mapped due to limited address or location information. Many of the sites, which are listed as unmappable, can be eliminated based on the address information provided, however, not all site locations can be readily identified. The database search revealed forty-three unmapped sites. The unmapped sites, which could not be eliminated from consideration based on the site name and address information provided, are as follows:

DataBase Type	Site Name/ID/Status	Address
UST	8606163	Rt. 4 Box 10
UST	Anamosa Silos Inc.	RR 2
UST	Arthur Bloore Farm	RTE 1 Country Rd
UST	Century Concrete Co.	RR 3
UST	County Shed # 5	RR 2
UST	Floyd Cornelius	Rte 1
UST	Gary Petersen	Rte 4 Box 102
UST	Harold Schepers	RTE. 1
SWL	Iowa Medical Waste Reduction	Maquoketa, Iowa
	Center	
UST	Jackson Co. Springbrook Shop	RR 3
UST	Jackson Co. Sanitary Disposal AG	RR 3
UST	Keith Kenniker	Rte. 4
UST	Kirchhoff Dist	106,108&110
		Matteson St.
UST	La Verne M Roberg	Rte 1 Box 102
UST	Larry Johnson	Rte 4
UST	LaVerns Store	R 2
LUST	Lazy J Motel	RR#1 Box 112
UST	Lazy J Motel	RR #1 Box 112
UST	Maquoketa Caves ST	RR 2 Box 212
STATE	Maquoketa Coal Gas	Maquoketa, Iowa
RCRAGN	S&H Fbricating & Eng.of Iowa	1201 E. Summit
UST	U S West	Highway Y-31

5.3 IDNR Correspondence

MSA reviewed correspondence from the IDNR in regard to the USTs that were removed from the site. The IDNR correspondence, dated February 21, 1990, indicates that five USTs containing petroleum products were removed from the subject property. The IDNR letter also indicates that based on the analytical report submitted to their office, no further action is required for the tanks. The IDNR letter was supplemented with correspondence from Clinton Engines reporting the UST removal. The Clinton Engines letter was dated December 30, 1989 and stated that the tanks that were removed included two 1000 gallon gasoline tanks, one 2,000 gallon gasoline tank, one 600 gallon gasoline tank, and one 1,000 gallon paint thinner tank. The letter



stated that five soil samples were collected from the UST excavation and analyzed for benzene, ethylbenzene, toluene, total xylenes, and total hydrocarbons. Each of the samples were less than the laboratory reporting limit for each of the parameters with the exception of a hit of 21 milligrams per kilogram total hydrocarbons in one sample.

6.0 FINDINGS OF PHASE I ASSESSMENT

Missman, Stanley & Associates, P.C. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Clinton Engines property located at 605 East Maple Street in Maquoketa, Iowa. The assessment has revealed the following evidence of recognized environmental conditions in connection with the subject property:

- * The presence of two underground storage tanks (USTs) that are reportedly on the site. Both of the USTs historically stored fuel oil for backup fueling of furnaces and other equipment formerly on the site. Due to the age of these tanks, a potential exists for constituents associated with them to have been released into soil and groundwater on the site.
- The presence of the historic foundry on the site. Foundries typically generate waste sand and slag that was potentially disposed on the site, as evidenced by review of historic aerial photographs of the property.
- The presence of an open pit in the maintenance room of the facility that appeared to contain an oil-like substance. Due to the liquid in the pit, the integrity of the pit could not be observed. There is a potential that if the pit is cracked or has separated joints, these materials could be impacting soil and groundwater below the ground surface.
- * The presence of 5 USTs that formerly were situated north of the machine shop of the facility. Although soil samples were collected at the time of the UST removal, documentation was not provided as to the location of the soil samples, and groundwater was not collected.
- * Two above ground tanks that appeared to be of the type used to store fuel oil or used oil were observed on the south side of the foundry building. Although evidence was not present that the existing tanks contained oil, there is a potential that a release occurred on the area of the tanks.
- Several areas inside the structure contained residual solid material and staining associated with the historic operations on the facility. Due to the concrete floors in the facility, it is unlikely that soil or groundwater may have been impacted by the noted staining and residual material, however, it is recommended that an inventory of existing materials be performed prior to demolition of the structures. Further, a potential exists for some areas of soil impact to exist below the concrete floor,



particularly in the machine shop area. These areas could not be identified, but should be addressed at the time of structure demolition.

- The presence of a former concrete pad on the property that was used to stored used oil drums. A potential exists for constituents associated with the used oil to have been released or spilled in the area of the pad.
- The presence of chemical storage, and apparent running off of chemical compounds from the room near the southeast corner of the central portion of the facility. The chemicals or compounds that were stored in the area could not be identified, and the material drained onto a concrete pad, however, due to the age of the facility, it is likely that the area adjacent to or under the concrete pad will be impacted with constituents associated with the chemicals stored in that area.

7.0 INTRUSIVE ENVIRONMENTAL ASSESSMENT

In an effort to address the concerns identified above, MSA recommends that an intrusive environmental assessment be performed on the property. The intent of the intrusive assessment is to collect soil and/or groundwater samples to determine if any of the concerns identified above have impacted the environmental quality of the site.

The scope of work for the intrusive assessment included the drilling of eight soil borings and the collection of soil and groundwater samples for chemical analysis. The boreholes were strategically placed in locations that present a high probability of soil and/or groundwater contamination. Four of the borings were advanced to a total depth of ten feet below ground surface (bgs). The other four borings were advanced to a depth sufficient to collect a groundwater sample. During borehole advancement, soil samples were collected from 2 feet bgs, and at 5 foot intervals thereafter. Each collected soil sample was field screened with a photoionization detector (PID) to determine if organic vapors were present in the sample.

7.1 Drilling

Drilling was accomplished with a truck mounted drill rig that utilized a 3½-inch inside diameter continuous flight augers. Prior to site activities and between each borehole, the downhole drilling equipment and split spoon sampling device were decontaminated with a steam cleaner and Alconox® detergent. A lithologic log of each boring was completed based on observations during drilling and sampling.

With the exception of two areas of the property, three to five feet of fill was encountered in the borings on the site. The fill material primarily consisted of foundry sand and slag. Silty clay was encountered in the boreholes below the fill material. Groundwater was observed at approximately twelve feet below land surface. Completed boring logs for each soil boring are included in Appendix B.



7.2 Soil Sampling

Soil samples were collected with a two foot long split spoon-sampling device. Following sample recovery, each sample was placed into a ziplock® bag and allowed to stand for approximately fifteen minutes. After the fifteen-minute holding period, the samples were field screened with a photoionization detector (PID). The PID was calibrated to 55 ppm with isobutylene prior to field screening. Soil samples selected for analysis were based upon PID results, odor and visual observations at the time of sample collection, in addition to the suspected source of the suspected contamination. The results of field screening are included on the boring logs, attached in Appendix B.

Following field screening, one soil sample from each boring was sent to Test America Laboratory in Cedar Falls, Iowa for analysis. The selected samples were placed into laboratory prepared containers and stored in an ice-packed cooler pending shipment to the laboratory. Again, the analytical suite selected for each boring location was a function of field indicators and the source of the suspected contamination. The table below presents a summary of the analytical parameters that were selected for each boring location.

Boring	Soil Analysis	Water Analysis
1	OA-1/OA-2	OA-1/OA-2
2	Priority Pollutant Metals/cyanide/PCBs	Priority Pollutant Metals/cyanide/PCBs
3	PP metals/cyanide	VOCs
4	OA-1/OA-2	
6	VOCs	VOCs
7	PP metals/cyanide	
8	PP metals/cyanide	AND AND THE REAL PROPERTY AND
9	OA-1/OA-2	OA-1/OA-2

It is noted that boring B-5 was going to be a hand auger boring in the maintenance pit inside the facility. Further inspection of the area, however, revealed that the pit contained some standing oil. For this reason, a sample was not collected, and boring B-5 was not performed.

7.3 Groundwater Sample Collection

Groundwater samples were collected from selected borings via the use of single use, disposable bailers. Temporary well screens were installed in the boreholes to facilitate sample collection and to prevent the borehole from collapsing. The collected water samples were immediately transferred to laboratory prepared containers and stored on ice pending analysis. Following on-site activities, the samples were relinquished to Test America Laboratories in Cedar Falls, Iowa under standard chain of custody documentation. The analytical parameters for which groundwater samples were analyzed for are identified on the table above. It is noted that the VOC analysis in the groundwater sample collected from boring B-3 was added due to sample observations during collection.



7.4 Asbestos Containing Building Material Sampling

In an effort to determine if asbestos containing building materials need to be addressed in future potential demolition activities, an asbestos inspection was performed on the subject property. Suspect Asbestos Containing Building Material (ACBM) samples were collected by a licensed Asbestos Inspector on September 16, 1999. Suspect ACBM samples were collected from the walls, ceiling tile, thermal insulation, floor tile and mastic, floor board and roofing material located from the office building and areas of the manufacturing building. The samples were sent to Spectrum Laboratory in Moline, Illinois for analysis by Polarized Light Microscopy (PLM) method. Sample locations are included on Figures 3 and 4, Appendix A. A table presenting the samples collected and the asbestos content of each sample is included as Table 1, Appendix B.

If the areas determined to contain ACBM are to be demolished the ACBM must be removed by a licensed abatement contractor or all demolition debris must be disposed of according to all applicable regulations.

8.0 ANALYTICAL RESULTS

For comparative purposes, the analytical data obtained during the intrusive portion of this project have been compared to statewide standards prepared by the Iowa Department of Natural Resources (IDNR) for the purposes of their Land Recycling Program (LRP), governed by Section 137 of Iowa Administrative Code. The LRP is a voluntary program that the IDNR has established with the intent of addressing voluntary cleanup throughout the state. It is noted that the USTs that exist on the property may be subject to other regulatory requirements.

8.1 Soil Sample Analysis

A summary of the analytical results of the collected soil sample is included on Table Series 2, Appendix B. For comparative purposes, the Statewide Standard for each analytical parameter is also included on the table. It is noted that the statewide standards presented on the table are for the soil ingestion exposure pathway only. Based on site conditions, and potential exposure routes, the IDNR may apply a more strict standard for an analytical parameter. A copy of the Text America laboratory report is included for reference purposes in Appendix D.

Each of the priority pollutant metals were detected at concentrations either less than the laboratory reporting limit, or less than the statewide standard, with the exception of beryllium and arsenic. Beryllium was detected in soil samples collected from borings B-2, B-3, B-7, and B-8 at concentrations that exceed that statewide standard concentration. The soil samples in which the beryllium was detected were collected at various depths up to twelve feet below land surface. Each of the borings in which elevated concentrations of beryllium were detected were advanced through foundry sand and slag fill material. The fill material on the site is a likely source of the beryllium concentrations. Additionally, arsenic was detected in the soil sample collected from boring B-7 at a concentration exceeding the statewide standard. The sample collected from boring B-7 was collected from 5-7 feet below ground surface.



Organic constituents were detected in the samples collected from borings B-4 and B-6, however, the detected concentrations were less than the statewide standards. Polychlorinated biphenyls (PCBs) were not detected at concentrations exceeding the laboratory detected limit in the soil sample collected from boring B-2.

8.2 Groundwater Sample Analysis

A summary of the analytical results of collected groundwater samples is included on Table Series 3, Appendix B. For comparative purposes, the Statewide Standard, for each analytical parameter is also included on the table. A copy of the Test America laboratory report is included in Appendix D.

Priority pollutant metals and PCBs were not detected in the groundwater sample collected from boring B-2 at concentrations either exceeding the laboratory detection limit or the statewide standard. Additionally, petroleum related compounds were not detected above the statewide standards in the groundwater samples collected from borings B-1 and B-9.

Organic constituents were detected at concentrations exceeding the statewide standard in the groundwater samples collected from borings B-3 and B-6. Specifically, petroleum constituents benzene and naphthalene, and solvent related constituents dichloroethylene, trichloroethylene, and vinyl chloride were detected at elevated concentrations in boring B-3. Review of the boring log for this boring suggests that the contaminants may have originated from the surface, as PID readings were elevated in shallow samples.

Toluene was detected at concentrations exceeding the statewide standard in boring B-6. In fact, the toluene concentration detected (673 milligrams per liter) in boring B-6 is at or near the solubility of toluene in water. It is likely that the toluene is associated with a former toluene tank that reportedly existed in the area of boring B-6.

9.0 SUMMARY AND CONCLUSION

Missman, Stanley & Associates, P.C. has completed our environmental assessment of the Clinton Engines Property in Maquoketa, Iowa. Our assessment has revealed recognized environmental conditions at the site associated with the following:

- The presence of beryllium at concentrations that exceeded that statewide standard for soil in soil samples collected from the property. It is noted that the beryllium standard is for the ingestion pathway.
- The presence of at least two USTs on the property. Our intrusive assessment did not reveal contaminants near the USTs at concentrations exceeding the statewide standards, however, that does not preclude that possibility of a release scenario having occurred for these tanks. It is likely that these tanks will be subject the closure requirements of Iowa Administrative Code Section 135.



- Organic constituents were detected at elevated concentrations in groundwater samples collected from borings B-3 and B-6. It is likely that these areas will require remediation prior to redevelopment of the property.
- Asbestos containing materials exist in structures on the property. These materials should be appropriately address prior to any demolition or renovation activities on the property.
- Several areas inside structures on the property contained residual chemical containers, staining, discoloration and waste material. These areas should be addressed prior to demolition of the structure.
- Due to the history of the property, a potential exists for constituents associated with the historic operations at the facility to have migrated through cracks or joints in the floor into soils below the structures. If these any of these areas are encountered during demolition, the impacted soils should be handled appropriately.

10.0 RECOMMENDATIONS

In evaluating the subject property and addressing the contaminants at the site from an environmental standpoint, the City of Maquoketa has the following alternatives:

- 1. To enter the site into the Iowa Land Recycling Program (LRP). Under this voluntary program, the IDNR will provide guidance for determining remediation objectives, performing remedial actions, and will ultimately issue a No Further Action Certificate (NFAC) for the property, if warranted. The NFAC must be written to the deed of the property, and is designed to release the applicant of liability associated with future remediation costs from the state, if encountered. Under this program, the applicant and owner of the property must formally enter the program, and must pay fees to the IDNR for their time. Reimbursement for assessment and remedial costs are not available under the ILRP. The LRP requires a nonrefundable enrollment fee of \$750.00. Subsequent fees not to exceed \$7,500.00, will be required for the IDNR oversight costs. Additionally, involvement in the program will require additional environmental assessment/monitoring of the site. We recommend budgeting two years for the completion of this program.
- 2. To evaluate the property in accordance with the requirements of Chapter 133 of the IAC. This program is also voluntary, however, the applicant is not required to reimburse the IDNR for their expenses. Under this program, the enrollee will not receive a NFAC from the IDNR, but will receive a letter stating the site has been appropriately address in accordance with the IDNR recommendations, if warranted. Upon initial correspondence to the department that a review under Chapter 133 is requested, the IDNR will respond with either a letter stating that the site has been given a low priority, or that a review will be conducted.
- 3. To proceed with environmental cleanup and evaluation on a voluntary basis without IDNR involvement. Under this scenario, MSA would prepare appropriate design reports, assessment reports and corrective action reports documenting site cleanup, however, correspondence from the IDNR would not be provided.



In consideration of these alternatives, their appropriateness is a function of the level of risk that the City of Maquoketa is willing to accept in proceeding with transfer of the property. In either case it is anticipated that the IDNR will require that the additional environmental assessment activities be performed at the site to fully characterize the extent of contaminants of concern on the property.

11.0 GENERAL COMMENTS

Achieving the study objectives stated in this report has required us to arrive at conclusions based upon the best information presently known to us. No investigation method can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce this possibility to an acceptable level. Professional judgment was exercised in gathering and analyzing the information obtained. Professional judgment was also exercised in the formulation of recommendations. Like all professional persons rendering advice, we do not act as absolute insurers of the conclusions we reach, but we commit ourselves to care and competence in reaching those conclusions.

Our undertaking at Missman, Stanley & Associates, therefore, is to perform our work within the limits prescribed by our clients, with the usual thoroughness and competence of the engineering profession. No other warranty or representation, either expressed or implied, is included or intended in this report.

Respectfully submitted,

MISSMAN, STANLEY & ASSOCIATES, P.C.

Paul A. Loete, P.E.

Project Manager

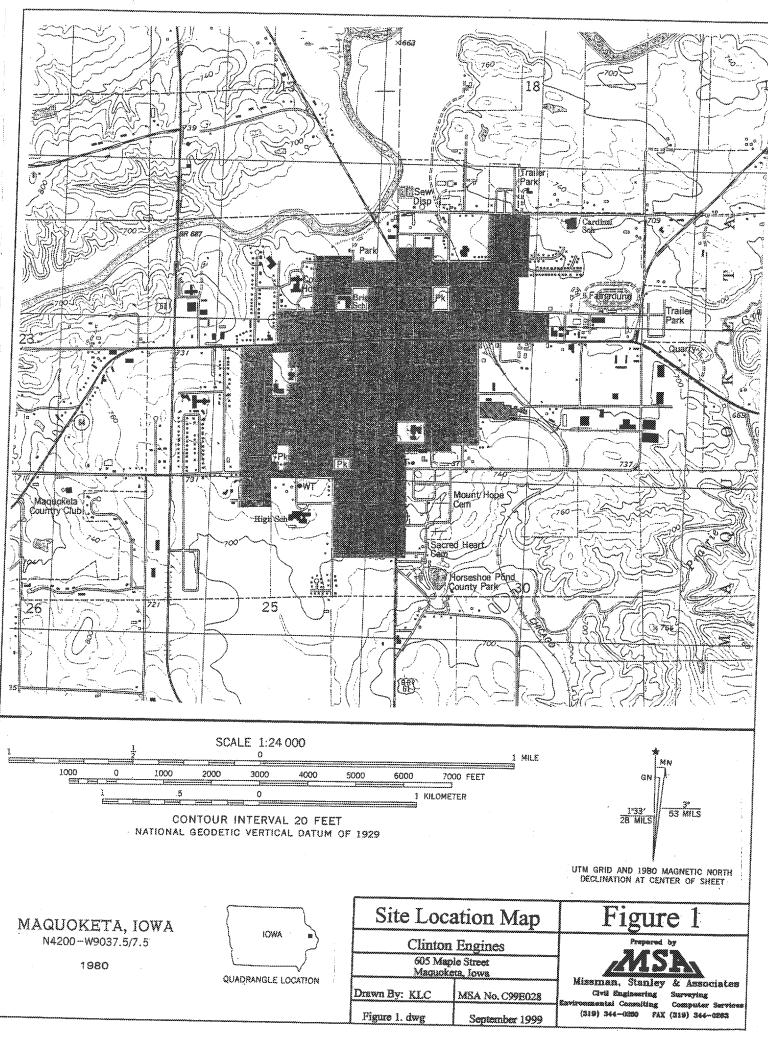
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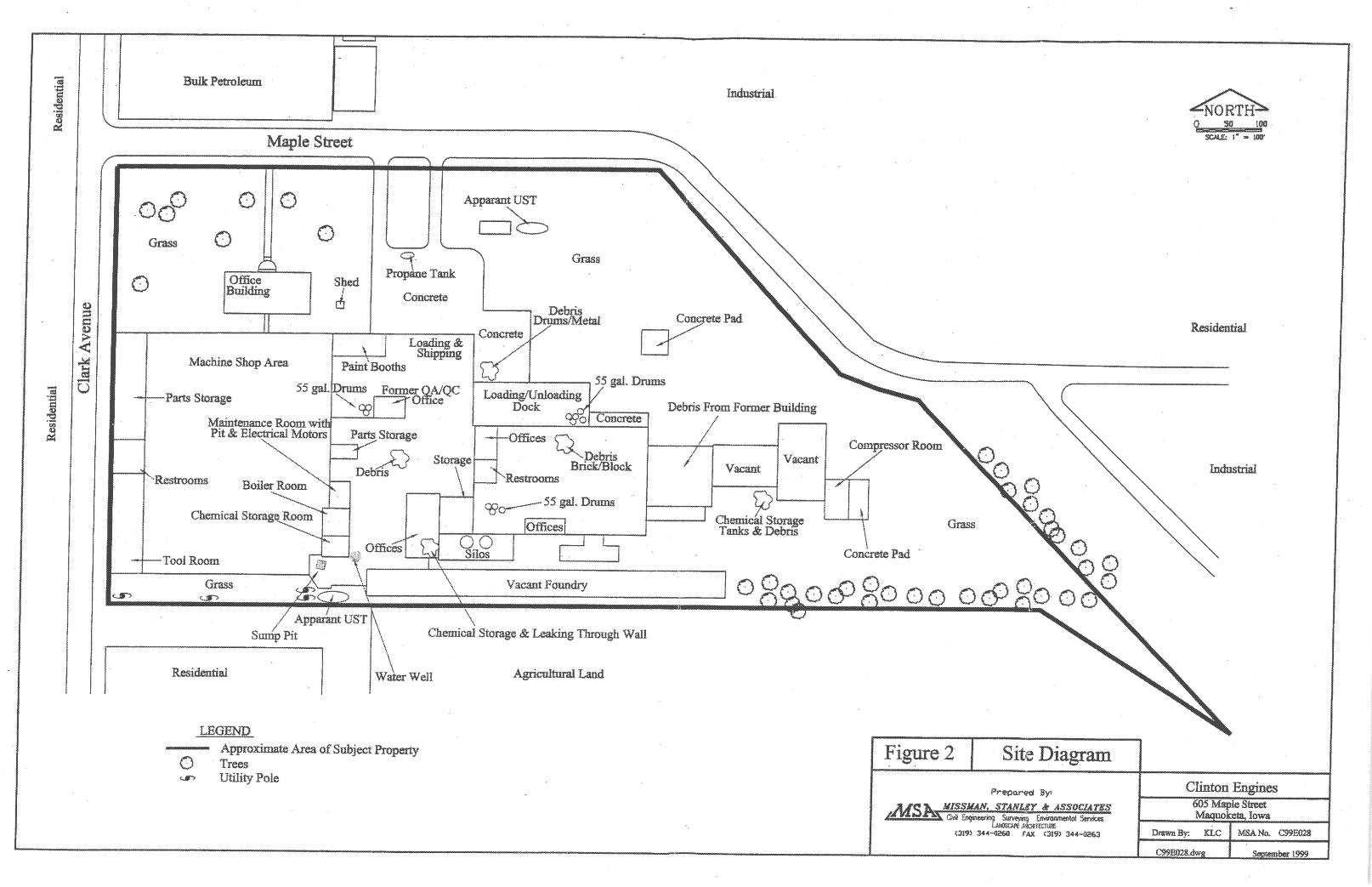


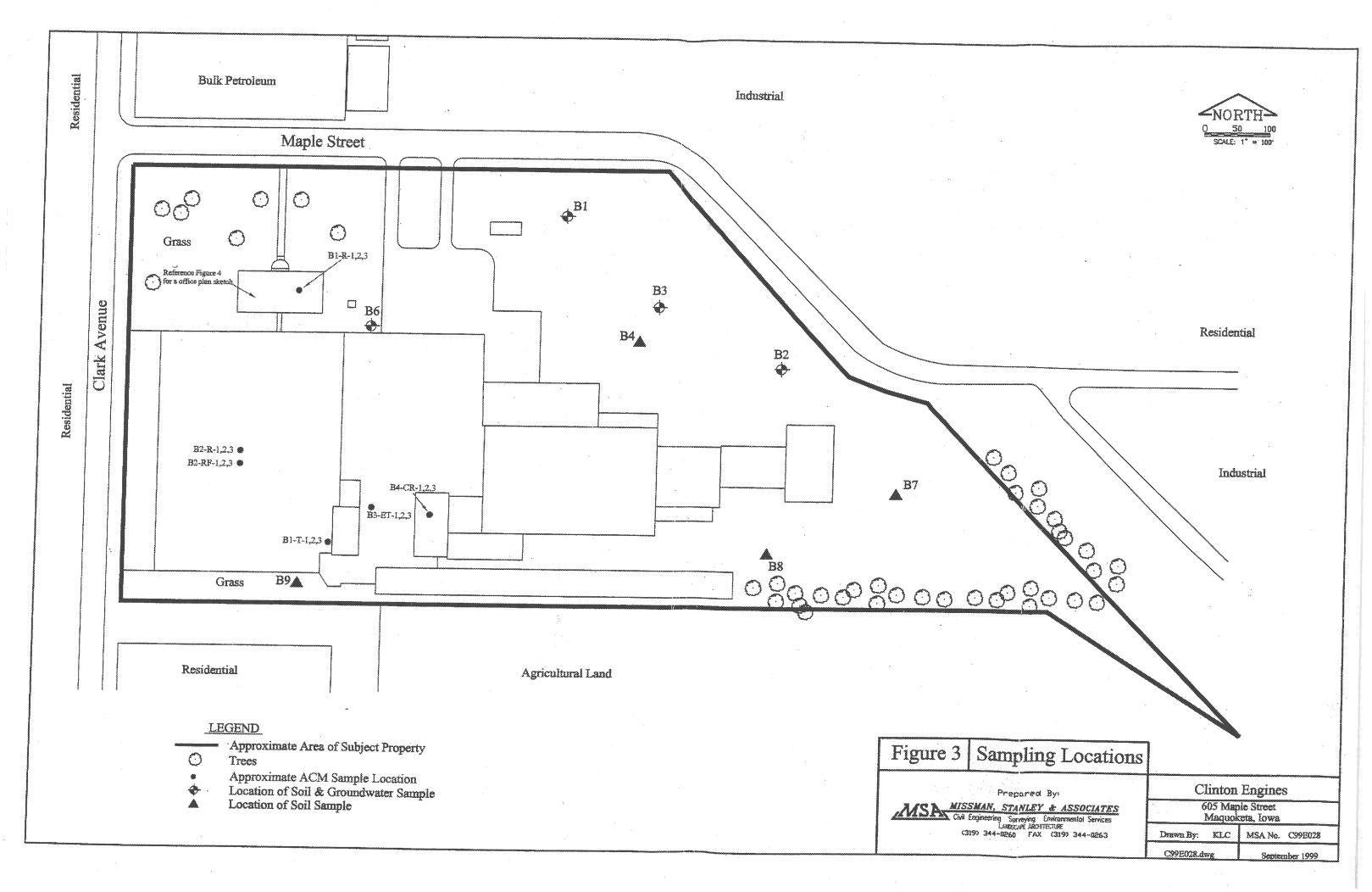
APPENDIX A

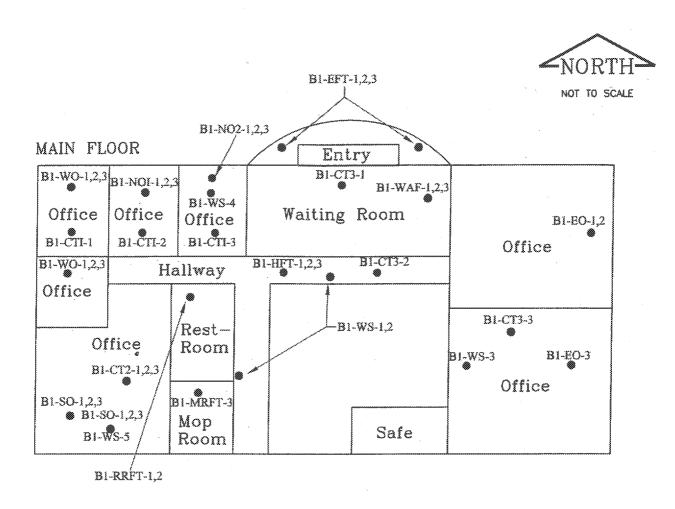
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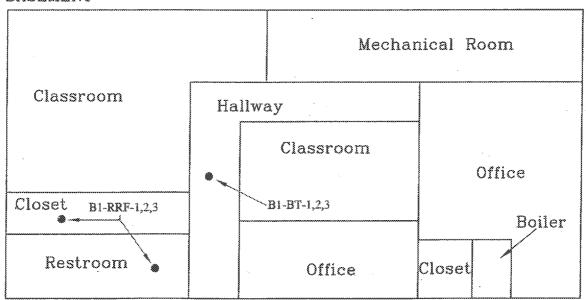








BASEMENT



LEGEND

Approximate Location of Asbestos Containing Material sample

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Drawn-By: KLC	MSA No. C99E028	Civil Engineering Surveying Environmental Consulting Computer Services
 C99E028asb.dwg	September 1999	(319) 344-6880 FAX (319) 344-6883

# APPENDIX B

Tables Boring Logs

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Table Seles 2.1 Analytical Results of Soil Samples Clinion Engines Property Mequoketa, lower MSA No. C99E028

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- C) $\log L = \min$ originaries per liter. 3) < indicates less than the laboratory detection
- 4) Statewide Standard is the general cleanup objective set forth by the lowe Land Recycling Program for a protected
- groundwater source (IAC Chap 137).
- eldeliavA brabnat2 oN = 2M (3

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605 East Maple Street Maquoketa, lowa	DEATTRIC SILE FOCVILON:	870	 (36E)	ukiki. U	E OE B IECL	'ON
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Table 1 Summary of Asbestos Samples Clinton Engines Property Maquoketa, lowa MSA No. C99E208

closet floor tile Yes 12% damaged basement thermal insulation No	-	
Yes 12% No	•••	Commission of the Commission o
Yes 12% No - No	Kanaca	BI-RRFT-1 green
Yes 12% No - No	***************************************	B+#7-123
Yes 12% No - No	***************************************	81-WAF-1,2,3
Yes 12% No - No	en	
Yes 12% No	brown Wimaroon swirl south office limber on	-
Yes 12% No	dark brown north office floor like	
Yes 12% No	brown northwest office from the	B1-NO1-1,2,3
Yes 12% No	8	
Yes 12% No	-	
Yes 12% No		_
Yes 12% No	white/uneven grooved lines west & morth offices calling the	_
Yes 12% No -	red w/ black East offices, 1st floor & ha	B1-E0-1,2,3
Yes 12% No	White building 4 reiling 8 r	B4-CR-1,2,3
Yes 12% No	White themal include in the many included in the ma	1,2,3
Yes 12% No - Yes 20%	yellow building 2 thermal insulation	82-1-3,2,3
Yes 12%	black building 2 roof material	S 7-1,2,3
Yes 12%	black Building 2 roof flashing	D/-7X7-1
Yes 12%	black building 1 roofing & flashing	D2 D7 1 20
Yes 120	yellow basement thermal insulation	0,040,0 0,0,1=1,0,10
	Nn n	27 4 7 3 P 12 P
	basement mens restroom /basement south	
No	wall plaster	60.5 1. 2xx 3 ccs (
) Yes 10%	Dase molding (throughout building	B1-WS-17345
Applesios coment condition	4284	

Notes: 1) Asbestos sample locations identified on Figures 3 and 4, Appendix A.

APPENDIX C

Environmental Database Report

DataMap Technology Corporation

Environmental FirstSearch™ Report

TARGET PROPERTY:

605 EAST MAPLE ST

MAQUOKETA LA 52060

Job Number: MISSMAN

PREPARED FOR:

Missman Stanley & Associates 2415 18th Street, Suite 203 Bettendorf, Iowa 52722

09-14-99



Tel: (773) 645-8001

Fax: (773) 645-8501

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Target Site:

605 EAST MAPLE ST

MAQUOKETA IA 52060

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2 >	ZIP	TOTALS
NPL.	Y	05-12-99	1.00	0	0	0.	0	0	0	······································
CERCLIS	Y	05-12-99	0.50	0	0	1	0	**	0	1
RCRA TSD	Y	04-27-99	0.50	0	0	0	0		0 '	Ö
RCRA COR	Y	04-27-99	1.00	. 0	0	0	0	0	0	0
RCRA GEN	Y	04-27-99	0.25	1	0	0	~	80	4	5
RCRA NLR	N	04-27-99	0.25		*	••	**	₩.		~
ERNS	Y	05-07-99	0.25	0	0	0	**	*	0	0
NPDES	N	07-22-98	0.25	**	••	~	90	wo.	**	
FINDS	N	01-20-99	0.25	~	~	œ	~	œ	900	76
TRIS	N	07-16-98	. 0.25	000	w.	~	~	~		~
STATE SITES	Y	11-17-98	1.00	0	0	0	0	0	1	1
SPILLS-1990	N	NA	0.25	w	••	ev.	w	*	**	~
SPILLS-1980	N	NA	0.25		•		~	•	•	~
SWL	Y	09-14-98	0.50	0	0	0	0	•	1	1
PERMITS	N	NA	0.25	w	30	*	**	**	~	~
OTHER	N	NA	0.25	200	no.	~	**	xo	**	
REG UST/AST	Y	11-17-98	0.25	1	0	4	**	ú.	29	34
LEAKING UST	Y	11-17-98	0.50	0	0	3	4	×.	8	15
ACTIVE PWS	N	NA	0.50			~	10	*		
AQUIFERS	N	NA	0.50	~			~*	**		~
ACEC	N	NA	0.50	•	æ	**	-	**	*	•
WETLANDS	N	NA	0.50	••			•	•	10	
FLOODPLAINS	N	NA	0.50	n.	. *	•		*	ren.	_
RECEPTORS	X	NA	0.50	0	0 -	0	0		0	0
- TOTALS -			×.	2	0	8	4	0	43	57

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to DataMap Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in DataMap Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although DataMap Technology Corp. uses its best efforts to research the actual location of each site, DataMap Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of DataMap Technology Corp.'s services proceeding are signifying an understanding of DataMap Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

Environmental FirstSearch Site Information Report

Request Date:

09-14-99

Search Type:

COORD

Requestor Name:

Paul Loete

Job Number:

MISSMAN

Standard: ASTM

Target Address:

605 EAST MAPLE ST

MAQUOKETA IA 52060

Demographics

Sites:

Non-Geocoded: 43

Population: NA

Radon:

2.9 - 33 PCI/L

Site Location

Degrees (Decimal)

Degrees (Min/Sec)

<u>UTMs</u>

Longitude:

-90.658639

-90:39:31

Easting:

693716.217

Latitude:

42.066062

42:3:58

Northing:

4659550.033

Zone:

15

Comment

Comment:

ZIP Code **CLINTON ENGINES**

Additional Requests/Services

Sei

Adjacent ZIP Codes: 1.00 Mile(s)

City Name

ST Dist/Dir

Services:

Sanborns

Requested? Date

Aerial Photographs

N

Topographical Maps

N

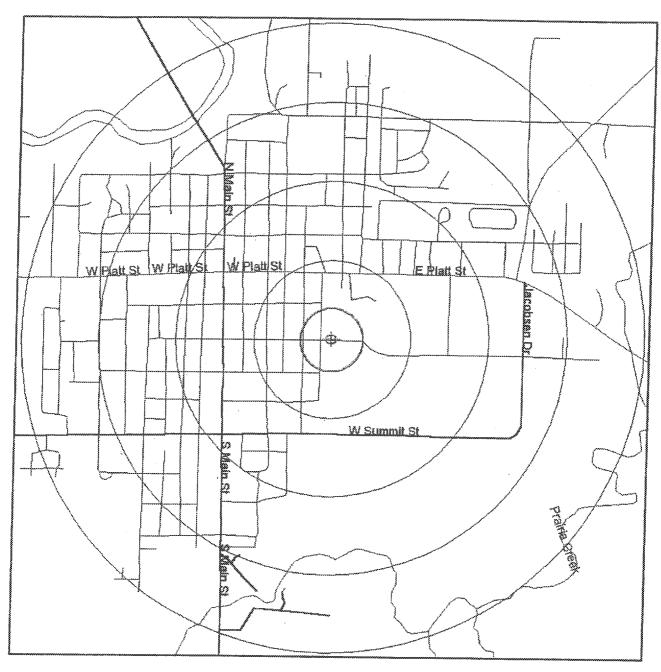


Environmental FirstSearch

1 Mile Radius ASTM Map: NPL, RCRACOR, STATE Sites



605 EAST MAPLE ST, MAQUOKETA IA 52060



Source: 1994 U.S. Census TIGER Files	
Target Site, Area Rectangle, Linear Search Line	GOODGOODGOOGGO GOO-
Identified Site, Multiple Sites, Receptor	
NPI., Solid Waste Landfill (SWL) or Hazardous Waste	
Boundaries: Target ZIP, Adjacent ZIP	/ADAGGGGGG
Railroads	CARAGONIA
Black Rings Represent 1/4 Mile Radii; Rod Ring Represents 500 ft. Radius	

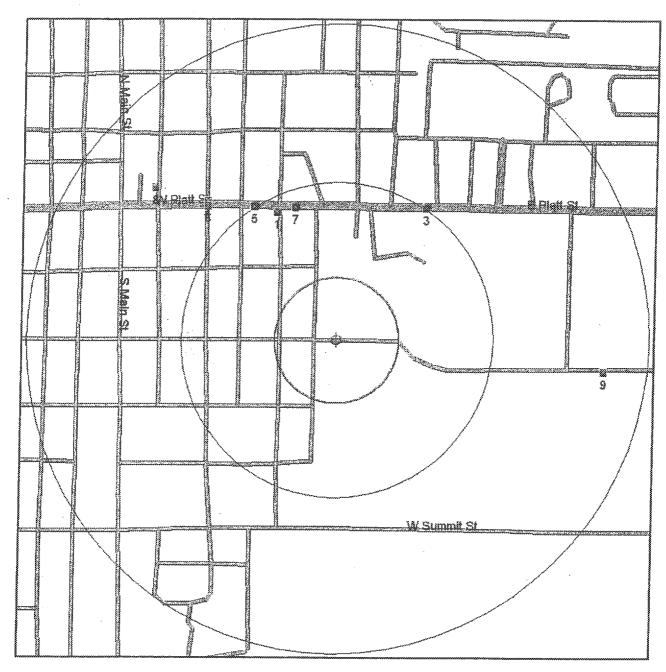


Environmental FirstSearch

.5 Mile Radius ASTM Map: CERCLIS, RCRATSD, LUST, SWL



605 EAST MAPLE ST, MAQUOKETA IA 52060



Source: 1994 U.S. Census TIGER Files Target Site, Area Rectangle, Linear Search Line
Railroads
Black Rings Represent 1/4 Mile Rudii; Red Ring Represents 500 ft. Radius

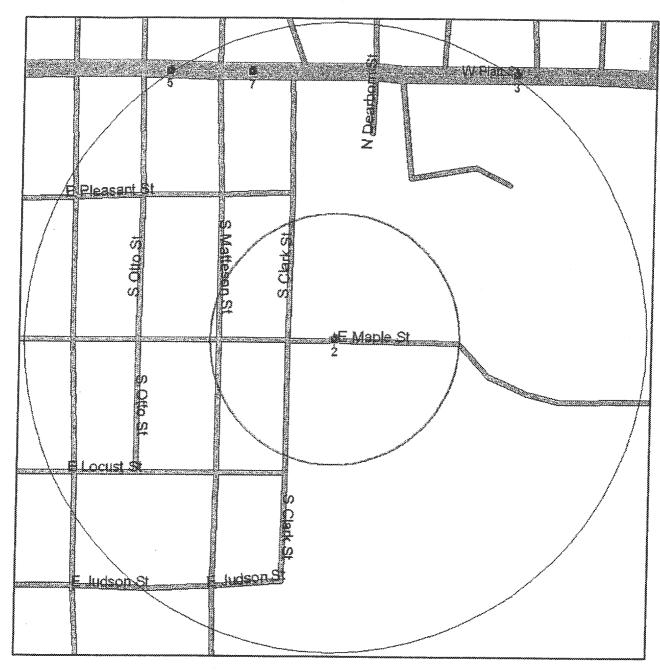


Environmental FirstSearch

.25 Mile Radius ASTM Map: RCRAGEN, ERNS, UST



605 EAST MAPLE ST, MAQUOKETA IA 52060



Source: 1994 U.S. Census TIGER Files	
Target Site, Area Rectangle, Linear Search Line	
Identified Site, Multiple Sites, Receptor	
NPL, Solid Waste Landfill (SWL) or Hazardous Waste	
Boundaries: Target ZIP, Adjacent ZIP	200,000
Reibroads	accidistance
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius	

TARGET SITE: 605 EAST MAPLE ST

MAQUOKETA IA 52060

CLINTON ENGINES

TOTAL:

57

GEOCODED: 14

NON GEOCODED: 43

SELECTED:

29

<u>ID</u>	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
2	RCRAGN	CLINTON ENGINES CORP IAD980317432/VGN	605 E MAPLE MAQUOKETA IA 52060	0.00	2
27	UST	CLINTON ENGINES CORPORATION 8601871	CLARK & MAPLE STREETS MAQUOKETA LA 52060	0.00	2
6	UST	8609215	510 E PLATT MAQUOKETA LA 52060	0.22 NW	7
IJ	LUST	FORMER ROADSIDE AUTO SALES 7910173	501 E PLATT STREET MAQUOKETA IA 52060	0.22 NW	7
5	UST	FORMER ROADSIDE AUTO SALES 7910173	501 E PLATT STREET MAQUOKETA IA 52060	0.22 NW	7
į	CERCLIS	MAQUOKETA FMGP LAD984571877/ARCHIVE-N	109 S MATTESON MAQUOKETA IA 52060	0.23 NW	I
3	UST	CASEYS 8605566	801 EAST PLATT ST MAQUOKETA IA 52060	0.25 NE	3
7	LUST	CASEYS 8605566	801 EAST PLATT ST MAQUOKETA IA 52060	0.25 NE	3
4	UST	DUDE S 66 8607320	409 EAST PLATT MAQUOKETA IA 52060	0.25 NW	5
9	LUST	DUDE S 66 8607320	409 EAST PLATT MAQUOKETA IA 52060	0.25 NW	5
8	LUST	COASTAL MART #2438 8602872	302 E PLATT MAQUOKETA IA 52060	0.30 NW	4
10	LUST	EAST PLATT NORTH STARR 8603860	303 EAST PLATT MAQUOKETA LA 52060	0.30 NW	6
13	LUST	US WEST 8607726	121 N OLIVE MAQUOKETA LA 52060	0.38 NW	8
12	LUST	MAQUOKETA WEB PRINTING 8913804	1209 E MAPLE ST MAOUOKETA LA 52060	0.43 SE	ÿ

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

TOTAL:

57

GEOCODED: 14

NON GEOCODED: 43

SELECTED:

				, similar e simil	2 9
<u>ID</u>	DB Type	Site Name/ID/Status	Àddress	Dist/Dir	Map ID
49	UST	8606163	RT 4 BOX 10 MAQUOKETA IA 52060	NON GC	***************************************
20	UST	ANAMOSA SILOS INC 8601117	RR 2 MAQUOKETA IA 52060	NON GC	
21	UST	ARTHUR BLOORE FARM 8811661	RTE I COUNTRY ROAD MAQUOKETA IA 52060	NON GC	
22	UST	BRIGGS ELEMENTARY SCHOOL 8602547	WEST QUARRY MAQUOKETA IA 52060	NON GC	
23	UST	C & J SERVICE CO 8606094	HIGHWAY 61 MAQUOKETA IA 52060	NON GC	
50	LUST	C & J SERVICE CO 8606094	HIGHWAY 61 MAQUOKETA IA 52060	NON GC	
24	UST	CARDINAL ELEMENTARY SCHOOL 8602546	PERSHING RD MAQUOKETA IA 52060	NON GC	
25	UST	CENTURY CONCRETE CO 8602680	rr 3 Maquoketa ia 52060	NON GC	
26	UST	CITY HALL 8601638	500 N MAIN MAQUOKETA IA 52060	NON GC	
28	UST	COUNTY SHED #5 8604639	RR 2 MAQUOKETA IA 52060	NON GC	
29	UST	FLOYD CORNELIUS 8915154	rte 1 Maquoketa ia 52060	NON GC	
51	LUST	FORMER MICHELS AUTO-TRUCK INC 8600364	HWY 61 BYPASS MAQUOKETA IA 52060	NON GC	
30	UST	FORMER MICHELS AUTO-TRUCK INC 8600364	HWY 61 BYPASS MAQUOKETA IA 52060	NON GC	
31	UST	GARY PETERSEN 8914074	RTE 4 BOX 102 MAQUOKETA IA 52060	NON GC	
14	RCRAGN	GILMORE DRY CLEANERS IAD043184993/SGN	110 1/2 S JONES ST MAQUOKETA IA 52060	NON GC	
32	UST	GOLDEN SUN FEEDS INC 8602369	PERSHING & OTTO MAQUOKETA IA 52060	NON GC	
33	UST	HAROLD SCHEPERS 8912369	RTE I MAQUOKETA IA 52060	NON GC	
52	LUST	IDOT 8609261	LA 64 EAST MAQUOKETA IA 52060	NON GC	
34	UST	<i>IDOT</i> 8609261	IA 64 EAST MAQUORETA IA 52060	NON GC	
15	RCRAGN	IOWA DEPT OF TRANSPORTATION IAD981499643/SGN	E PLATT ST (HWY 64) MAQUOKETA IA 52060	NON GC	

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

TOTAL:

57

GEOCODED: 14

NON GEOCODED: 43

SELECTED:

\mathbf{D}	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
19	SWL	IOWA MEDICAL WASTE REDUCTION CENTER 49-SDP-04-93-P	R MAQUOKETA IA 52060	NON GC	
53	LUST	JACKSON CO SPRINGBROOK SHOP 8604635	RR 3 BELLEVUE IA 52060	NON GC	
35	UST	JACKSON CO SPRINGBROOK SHOP 8604635	RR 3 BELLEVUE IA 52060	NON GC	
36	UST	JACKSON COUNTY SANITARY DISPOSAL AG 860S969	RR 3 MAQUOKETA IA 52060	NON GC	
37	UST	JOHN MAROUSIS 8914828	HWY 64 W . MAQUOKETA IA 52060	NON GC	
38	UST	KEITH KENNIKER 8916204	RTE 4 MAQUOKETA IA 52060	NON GC	
39	UST	KIRCHHOFF DIST 7900031	106,108&110 MATTESON ST MAQUOKETA IA 52060	NON GC	
54	LUST	KIRCHHOFF DIST 7900031	106,108&110 MATTESON ST MAQUOKETA IA 52060	NON GC	
40	UST	KOON & BOWMAN STD 8606813	EAST PLATT MAQUOKETA LA 52060	NON GC	
41	UST	LA VERNE M ROBERG 8914827	RTE 1 BOX 102 MAQUOKETA IA 52060	NON GC	
42	UST	LARRY JOHNSON 8915430	RTE 4 MAQUOKETA IA 52060	NON GC	
43	UST	LAVERNS STORE 8605449	R 2 MAQUOKETA IA 52060	NON GC	
55	LUST	LAZY J MOTEL 7900036	RR #1, BOX 112 MAQUOKETA IA 52060	NON GC	×
44	UST	LAZY J MOTEL 7900036	RR#1, BOX 112 MAQUOKETA IA 52060	NON GC	
45	UST	MAQUOKETA CAVES ST PARK 8605931	RR 2 BOX 212 MAQUOKETA IA 52060	NON GC	
18	STATE	MAQUOKETA COAL GAS U49-0001	MAQUOKETA IA 52060	NON GC	
46	UST	MAQUOKETA MUNICIPAL AIRPORT 9117236	HIGHWAY 64 WEST MAQUOKETA IA 52060	NON GC	
56	LUST		HIGHWAY 64 WEST MAQUOKETA IA 52060	NON GC	
47	UST		SOUTH ALLEN STREET MAQUOKETA 1A 52060	NON GC	
57	LUST		SOUTH ALLEN STREET MAQUOKETA IA 52060	NON GC	

TARGET SITE: 605 EAST MAPLE ST

MAQUOKETA IA 52060

CLINTON ENGINES

TOTAL:

57

GEOCODED: 14

NON GEOCODED: 43

SELECTED:

\mathbf{D}	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
16	RCRAGN	S & H FABRICATING & ENG OF IOWA IAD984593731/SGN	1201 E SUMMIT MAQUOKETA IA 52060	NON GC	
48	UST	U.S WEST 8607793	HIWAY Y-31 MAQUOKETA IA 52060	NON GC	
17	RCRAGN	WADY INDUSTRIES INC IAD069940021/SGN	510 E GROVE MAQUOKETA IA 52060	NON GC	

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

	***************************************	***************************************	RCF	RA GENER	LATOR S	SITE			
SEARCH	D : 2		DI	ST/DIR:	0.00		***************************************	MAP ID:	2
name: address:	CLINTON ENG 605 E MAPLE MAQUOKETA JACKSON					REV: ID1: ID2: STATUS:	IAD980 VGN	0317432	
CONTACT:	MELROY J.T.		~~~	~~~~	***************************************	PHONE:	319652	2411	
ADDRESS:	MAQUOKET	E PO BOX 860 IA IA 52060 RATES LESS THAN	100 KG/MO}	NTH OF HAZA	RDOUS W.	NOTIFI PART A ASTE			
CM+E LIST: RAATS:		VIOL DATE: ACTION DATE:	03-04-97	AGENCY: DOCKET:			'DATED: 'DATED:	11-10-98	
A 74 A 4 A 4 A 4 A 4 A 4 A 4 A 4 A 4 A 4									
Viol: Num: Enf: Date:	GER 4	ASSESS:			SETTLE				

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

REGISTERED	UNDERGROUND	STORAGE TANKS
a war was as a sua back.	~~ * * * * * * * * * * * * * * * * * *	

SEARCH ID: 27

DIST/DIR:

0.00 ---

MAP ID:

2

NAME:

CONTACT:

CLINTON ENGINES CORPORATION

ADDRESS: CLARK & MAPLE STREETS

MAQUOKETA IA 52060

JACKSON

REV: mı:

11/17/98 8601871

m2:

STATUS: PHONE:

(000) 00000000

TOTAL NUMBER OF TANKS:

6

OWNER INFORMATION

TYPE OF OWNER:

PRIVATE

OWNER NAME:

CLINTON ENGINES CORPORATION

OWNER ADDRESS:

CLARK & MAPLE STREETS MAQUOKETA IA 520600000

OWNER CONTACT NAME:

OWNER CONTACT PHONE:

(000) 00000000

UST INFORMATION

TANK NUMBER:

TANK INSTALLED DATE:

TANK STATUS:

NON-REGULATED HEATING OIL TANK - ACTIVE

TANK IN USE?:

DATE TANK LAST USED:

TANK CAPACITY:

00/0000 020000 GALLONS

DIESEL

TANK CONTENTS: TANK MATERIAL OF CONSTRUCTION:

STEEL

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED:

INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION:

EXTERNALLY WRAPPED:

EXTERNALLY COATED:

EXTERNALLY PAINTED:

EXT. FIBERGLASS REINFORCED PLASTIC:

EXTERNAL COAL TAR:

EXT. FIBERGLASS REINFORCED URITHANE:

OTHER EXT. TANK PROTECTION:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

BARE STEEL:

CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING: DOUBLE WALL PIPING:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION:

MANUAL TANK GAUGING:

TANK NUMBER:

002

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

PEGISTEREI	i inmera	apoinm	CTOD A	GETANKS

SEARCH ID: 27

DIST/DIR:

0.00 ---

MAP ID:

NAME:

CLINTON ENGINES CORPORATION

ADDRESS: CLARK & MAPLE STREETS

MAQUOKETA IA 52060

JACKSON

REV: **101:**

11/17/98

(000) 00000000

m2:

8601871

STATUS:

PHONE

CONTACT:

TANK STATUS:

REGULATED TANK - REMOVED OR FILLED

TANK IN USE?: DATE TANK LAST USED:

TANK INSTALLED DATE:

PERMANENTLY CLOSED 07/1978

TANK CAPACITY:

TANK CONTENTS:

001000 GALLONS GAS

TANK MATERIAL OF CONSTRUCTION:

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED:

EXTERNALLY WRAPPED:

EXTERNALLY PAINTED:

EXTERNAL COAL TAR:

INT. CATHODIC PROTECTION:

EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXT. FIBERGLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANE:

OTHER EXT. TANK PROTECTION:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

RARE STEEL:

CATHODICALLY PROTECTED:

EXT. DI-ELECTRIC PIPE COATING:

DOUBLE WALL PIPING:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION: MANUAL TANK GAUGING:

TANK NUMBER:

TANK INSTALLED DATE:

003 1962

TANK STATUS:

REGULATED TANK - REMOVED OR FILLED

TANK IN USE?:

PERMANENTLY CLOSED

DATE TANK LAST USED:

07/1978

TANK CAPACITY:

002000 GALLONS

TANK CONTENTS:

GAS STEEL.

TANK MATERIAL OF CONSTRUCTION:

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED:

EXTERNALLY WRAPPED: EXTERNALLY PAINTED:

EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION: INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXT. FIBERGLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANE:

- Continued on next page -

Site Details Page - 3

TARGET SITE:

605 EAST MAPLE ST

MAQUOKETA IA 52060

JOB: MISSMAN CLINTON ENGINES

REGISTERED UNDERGROUND STORAGE TANKS							
SEARCH		DIST/DIR:	0.00	MAP ID:	2		
NAME: ADDRESS:	CLINTON ENGINES CORPORATION CLARK & MAPLE STREETS MAQUOKETA IA 52060 JACKSON		REV: ID1: ID2:	11/17/98 8601871			
CONTACT:	44.5740355.744		STATUS: PHONE:	(000) 00000000			

GALYANIZED STEEL:

CATHODICALLY PROTECTED:

EXT. DI-ELECTRIC PIPE COATING:

BARE STEEL:

DOUBLE WALL PIPING:

BELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL:

AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION: MANUAL TANK GAUGING:

TANK NUMBER:

TANK INSTALLED DATE:

TANK STATUS:

TANK IN USE?:

DATE TANK LAST USED:

TANK CAPACITY:

TANK CONTENTS:

TANK MATERIAL OF CONSTRUCTION:

004

X

1077

REGULATED TANK - REMOVED OR FILLED PERMANENTLY CLOSED

07/1978

001000 GALLONS

GAS STEEL

IANK PROTECTION INFORMATION

DOUBLE WALL TANK: INTERNALLY LINED:

EXTERNALLY WRAPPED:

EXTERNALLY PAINTED: EXTERNAL COAL TAR:

OTHER EXT. TANK PROTECTION:

INT. CATHODIC PROTECTION:

EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXT. FIRENCLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANIS:

PIPE CONTINUESTICATION AND PROTECTION INFORMATION FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

CATHODICALLY PROTECTED: EXT. DI-BLECTRIC PIPE COATING:

BARE STEEL:

DOUBLE WALL PIPING:

BELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION: MANUAL TANK GAUGING:

TANK NUMBER:

TANK INSTALLED DATE:

TANK STATUS: TANK IN USE?: 005 1958

NON-REGULATED HEATING OIL TANK - ACTIVE

DATE TANK LAST USED:

00/0000

- Continued on next page -

Current Size Desails Page - 3

GALVANIZED STEEL:

CATHODICALLY PROTECTED:

EXT. DI-ELECTRIC PIPE COATING:

TARGET SITE: 605 EAST MAPLE ST MAQUOKETA TA 52060 JOB: MISSMAN

mayou.	CETA IA 520X	<i>//</i>		CLINION	ENGINES		
REGIS	TERED UNI	DERGROU	ND ST	DRAGE T	'ANKS		
SEARCH ID: 27	DE	ST/DIR:	0.00 -		************************	MAP ID:	2
NAME: CLINTON ENGINES CORPORAT ADDRESS: CLARK & MAPLE STREETS MAQUOKETA IA 52060 JACKSON CONTACT:	IÓN			REV: IDI: IDZ: STATUS: PHONE:	11/17/98 8601871 (000) 0000	· (8X)	
TANE CAPACITY: TANE CONTENTS: TANE MATERIAL OF CONSTRUCTION: TANE PROTECTION INFORMATION	OZORORO CIALLA DIBSEL STEREL	ONS					
DOUBLE WALL TANK: INTERNALLY LINED: EXTERNALLY WRAPPED: EXTERNALLY PADVIED: EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION:		INT: CATHO EXT: CATHO EXTERNALL EXT: PIBERG EXT: FIBERG	DIC PRO Y COATI LASS RE	TECTION: D: INFORCED	or sourcestable to the Add A		
PIPE CONTSTRUCTION AND PROTECTION FIBERGLASS REINFORCED PLASTIC: GALVANIZED STREL: CATBODICALLY PROTECTED: EXT. DI-BLECTRIC PIPE COATING:	X I	l Bare steel Double wa		; :	v		
BELLASE DETECTION AUTO. LINE LEAK DETECTOR: VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:	Į.	LINE TIGHTN GBOUNDWAT LINED EXCA' MANUAL TAI	ER MON /ATION:	TTORING Y	/BLL:		
IANK NUMBER: IANK INSTALLED DATE: IANK STATUS: IANK IN USE?: DATE TANK LAST USED: IANK CAPACITY: IANK CONTENTS: IANK MATERIAL OF CONSTRUCTION:	007 1974 REGULATED T PERMANENTU 07/1979 001000 GALLOS HAZARDOUS STEEL	Y CLOSED	/ED OR F	ű LED			
TANK PROTECTION INFORMATION OUBLE WALL TANK: YTERNALLY LINED: XTERNALLY WRATFED: XTERNALLY PAINTED: XTERNALLY PAINTED: XTERNAL COAL TAR: THER EXT. TANK PROTECTION:	e E	YT. CATHOD XT. CATHOD XTERNALLY XT. FIBERGL XT. FIBERGL	IC PROT COATEI ASS REII	ECTION:): VFORCED P			
IPE CONTSTRUCTION AND PROTECTION IN IBERGLASS REINFORCED PLASTIC:		a nana alamana "					

Bare Steel:

DOUBLE WALL PIPING:

Current Site Details Page - 4

TOTAL P.05

TARGET SITE: 605 EAST MAPLE ST

JOR:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

REGISTERED	UNDERGROUN	D STORAGE	TANKS
***************************************	***************************************	***************************************	***************************************

SEARCH ID: 6

DIST/DIR:

0.22 NW

MAP ID:

7

NAME:

ADDRESS: 510 E PLATT

MAQUOKETA IA 52060

JACKSON

REV: mı: III)2: STATUS:

11/17/98 8609215

(000) 00000000

CONTACT:

PHONE:

TOTAL NUMBER OF TANKS:

OWNER INFORMATION

TYPE OF OWNER:

OWNER NAME: OWNER ADDRESS: PRIVATE RALPH DIGMAN

NAPA HGHY 20 WEST DUBUQUE 1A 520010000

OWNER CONTACT NAME:

OWNER CONTACT PHONE:

(000) 00000000

<u>UST INFORMATION</u>

TANK NUMBER:

001

TANK INSTALLED DATE:

TANK STATUS: TANK IN USE?:

REGULATED TANK - REMOVED OR FILLED PERMANENTLY CLOSED

DATE TANK LAST USED:

00/0000

TANK CAPACITY:

002000 GALLONS

TANK CONTENTS:

GAS

TANK MATERIAL OF CONSTRUCTION:

STEEL

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED:

EXTERNALLY WRAPPED:

INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXTERNALLY PAINTED: EXTERNAL COAL TAR:

EXT. FIBERGLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANE:

OTHER EXT. TANK PROTECTION:

UNKNOWN

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

BARE STEEL:

CATHODICALLY PROTECTED:

EXT. DI-ELECTRIC PIPE COATING:

DOUBLE WALL PIPING:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL: AUTOMATIC TANK GAUGING:

MONITORING SPACE ON DBL. WALL:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION:

MANUAL TANK GAUGING:

TANK NUMBER:

002

TARGET SITE: 605 EAST MAPLE ST

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

REGISTERED UNDERGROUND STORAGE TANK	v-b-s

SEARCH ID: 6

DIST/DIR:

0.22 NW

MAP ID:

NAME:

ADDRESS: 510 E PLATT

MAQUOKETA IA 52060

JÁCKSON

REV: M1:

11/17/98

8609215

STATUS:

PHONE

(000) 00000000

TANK INSTALLED DATE:

TANK STATUS:

CONTACT:

REGULATED TANK - REMOVED OR FILLED

TANK IN USE?: DATE TANK LAST USED: PERMANENTLY CLOSED 00/0000

TANK CAPACITY:

004000 GALLONS

TANK CONTENTS:

GAS STEEL.

TANK MATERIAL OF CONSTRUCTION:

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED:

EXTERNALLY WRAPPED:

EXTERNALLY PAINTED:

EXTERNAL COAL TAR:

EXT. FIBERGLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANE:

OTHER EXT. TANK PROTECTION:

UNKNOWN

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

BARE STEEL:

CATHODICALLY PROTECTED:

EXT. DI-ELECTRIC PIPE COATING:

DOUBLE WALL PIPING:

EXTERNALLY COATED:

INT. CATHODIC PROTECTION:

EXT. CATHODIC PROTECTION:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL:

AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

LINED EXCAVATION:

GROUNDWATER MONITORING WELL:

MANUAL TANK GAUGING:

TANK NUMBER:

TANK INSTALLED DATE:

1955

TANK STATUS:

REGULATED TANK - REMOVED OR FILLED

TANK IN USE?:

PERMANENTLY CLOSED

DATE TANK LAST USED:

00/0000

TANK CAPACITY:

004000 GALLONS

TANK CONTENTS:

GAS STREET.

TANK MATERIAL OF CONSTRUCTION:

TANK PROTECTION INFORMATION

DOUBLE WALL TANK: INTERNALLY LINED:

INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION:

EXTERNALLY WRAPPED: EXTERNALLY PAINTED:

EXTERNALLY COATED: EXT. FIBERGLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANE:

EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION:

UNKNOWN

TARGET SITE: 605 EAST MAPLE ST

JOB:

MAQUOK	KETA IA 520)60	CLI	NTON E	MISSMAN NGINES	
REGI	STERED U	NDERGR	OUND STOR	RAGE T	ANKS	
SEARCH ID: 6	D.	IST/DIR:	0.22 NW	***************************************	MAP ID:	7
NAME: ADDRESS: 510 E PLATT MAQŬOKETA IA 52060 JACKSON CONTACT:			ID ID: ST		11/17/98 8609215 (000) 0000000	
PIPE CONTSTRUCTION AND PROTECTION FIBERGLASS REINFORCED PLASTIC: GALVANIZED STEEL: CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING:	N INFORMAT	BARE ST	TEL: WALL PIPING:	;	·	
RELEASE DETECTION AUTO. LINE LEAK DETECTOR: VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:		GROUND LINED EX	FHTNESS TESTE WATER MONII XCAVATION: . TANK GAUGIN	TORING W	vell:	
TA ALE ALITHER STRIPS.	0.04			Į		

TANK NUMBER:

TANK INSTALLED DATE:

TANK STATUS:

TANK IN USE?:

DATE TANK LAST USED: TANK CAPACITY:

TANK CONTENTS:

TANK MATERIAL OF CONSTRUCTION:

TANK PROTECTION INFORMATION

DOUBLE WALL TANK: INTERNALLY LINED: EXTERNALLY WRAPPED:

EXTERNALLY PAINTED: EXTERNAL COAL TAR:

OTHER EXT. TANK PROTECTION:

004

1955

REGULATED TANK - REMOVED OR FILLED PERMANENTLY CLOSED

005100 GALLONS

GAS STEEL

INT. CATHODIC PROTECTION:

EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXT. FIBERGLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANE:

UNKNOWN

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

EXT. DI-ELECTRIC PIPE COATING:

CATHODICALLY PROTECTED:

BARE STEEL:

DOUBLE WALL PIPING:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION: MANUAL TANK GAUGING:

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

^	MAYOOMETA IA 12000	CLINION ENGINES
	LEAKING UNDERGROU	UND STORAGE TANKS
SEARCH ID: 11	DIST/DIR:	0.22 NW MAP ID: 7
NAME: FORMER ROADSIDI ADDRESS: 501 E PLATT STREE MAQUOKETA IA 52 JACKSON CONTACT:	T	REV: 11/17/98 ID1: 7910173 ID2: STATUS: PHONE: (000) 0000000
OWNER INFORMATION		
TYPE OF OWNER: OWNER NAME: OWNER ADDRESS: OWNER CONTACT NAME:	PRIVATE DON DAEHLER 113 N ANDERSON MAQUOKETA IA 520600000 (000) 0000000	
LEAK INFORMATION		
FACILITY TANK INFORMATION	·	
LEAK NUMBER: LEAK DISCOVERY DATE: LEAK DISCOVERY TIME:	9LTA76 12/03/92	
DATE LEAK OCCURRED: TIME LEAK OCCURRED:	00/00/00	
DATE LEAK REPORTED TO DEP: LEAK REPORTER NAME: LEAK REPORTER COMPANY: LEAK REPORTER ADDRESS: LEAK REPORTER PHONE:	12/05/94 H MORTON-DAVIS SENECA 5113 TREMONT AVE DAVENPORT IA 52807 (319) 386-2522	
CAUSE OF LEAK:	UNK	
PRODUCT RELEASED GAS: WASTE OIL: FUEL OIL: OTHER PETROLEUM: NON-PETROL/CHEMICAL:	X	DIESEL: KEROSENE: HOIST OIL: UNKNOWN:
LOCATION OF LEAK SOIL: SURFACE WATER:	x	GROUND WATER: X WATER SUPPLY:
RESOURCES THREATENED MUNICIPAL WELLS: LIVESTOCK:		PRIVATE WELLS: NONE:
		and the same of th

TAR	GET SITE:	605 EAST MAPL		CLINT	JOB: MISSMAN ON ENGINES	*
		LEAKING	UNDERGRO	UND STORAG	E TANKS	Annonnennennennennennen vivigoriopolioka
SEARCH	D: 11		DIST/DIR:	0.22 NW	MAP ID:	7
NAME: ADDRESS: CONTACT:	FORMER ROADS 501 E PLATT STR MAQUOKETA IA JACKSON	IDE AUTO SALES EBT 52060		REV: IDI: ID2: STAT PHON	7910173 US:	
UNKNOWN:				Q	THER:	***************************************
					·	

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

3.0 See 3.01 Sept 20 Sept 12 Sept 20 S	A A. B. L. L. B. B. L.	STORAGE TANKS
BUT BUT SI US NO. S BUT RUY BUT S S	8 11×18 1841 RAS - LAS 8 88 15×18 8	
- RV R 'N R 8 L R 8 R 18 N B 'R 6		3 3 3 4 3 5 K 2 K 2 K 3 5 K 3 K 3 K 3 K 3 K 3 K 3 K 3 K 3 K

SEARCH ID:

DIST/DIR:

0.22 NW

MAP ID:

7

NAME:

FORMER ROADSIDE AUTO SALES

ADDRESS:

CONTACT:

501 E PLATT STREET

MAQUOKETA IA 52060

JACKSON

REV: m1:

11/17/98 7910173

ID2:

STATUS:

PHONE:

(000) 00000000

OWNER INFORMATION

TYPE OF OWNER:

OWNER NAME:

PRIVATE

DON DAEHLER

OWNER ADDRESS:

113 N ANDERSON **MAQUOKETA IA 520600000**

OWNER CONTACT NAME:

OWNER CONTACT PHONE:

(000) 00000000

UST INFORMATION

CERCLIS SITE

SEARCH ID: 1

DIST/DIR:

0.23 NW

MAP ID:

NAME:

MAQUOKETA FMGP

ADDRESS: 109 S MATTESON

MAQUOKETA IA 52060

JACKSON

CONTACT: , O - IA STATE COOR

REV: **101**: ID2:

IAD984571877 0702338

STATUS:

ARCHIVE-N

PHONE:

9135517818

FORMER MANUFACTURED COAL GAS PLANT (FMGP) POTENTIAL ON SITE DISPOSAL OF WASTE OIL/TAR (PAH) AND CYANIDE COMPOUNDS, CURRE NT OWNER: K & F FEED SERVICES, INC. FORMER MANUFACTURED COAL GAS PLANT (FMGP) POTENTIAL ON SITE DISPOSAL OF WASTE OIL/TAR (PAH) AND CYANIDE COMPOUNDS, CURRENT OWNER: K & F FEED SERVICES, INC.

ACTION/QUALITY

DISCOVERY

AGENCY/RPS

START/RAA

END

EPA Fund-Financed

EPA Fund-Financed

03-22-1990

PRELIMINARY ASSESSMENT

Primary

09-18-1990

10-11-1990

SITE INSPECTION

EPA Fund-Financed

06-20-1991

09-25-1991

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

		CERCL	IS SITE				
SEARCH	ID: 1	DIST/DIR:	0.23 NW		MAP ID:	1	************
NAME: ADDRESS:	MAQUOKETA FMGP 109 S MATTESON			REV:	IAD984571877		
CONTACT:	MAQUOKETA IA 52060 JACKSON , O - IA STATE COOR		5.2°	ID2: STATUS: PHONE:	0702338 ARCHIVE-N 9135517818		

DESCRIPTION:

FORMER MANUFACTURED COAL GAS PLANT (FMGP) POTENTIAL ON SITE DISPOSAL OF WASTE OIL/TAR (PAH) AND CYANIDE COMPOUNDS. CURRE NT OWNER: K & F FEED SERVICES, INC. FORMER MANUFACTURED COAL GAS PLANT (FMGP) POTENTIAL ON SITE DISPOSAL OF WASTE OIL/TAR (PAH) AND CYANIDE COMPOUNDS. CURRENT OWNER: K & F FEED SERVICES, INC.

ACTION/QUALITY DISCOVERY	AGENCY/RPS EPA Fund-Financed	START/RAA	END 03-22-1990
PRELIMINARY ASSESSMENT Low	EPA Fund-Financed Primary	09-18-1990	10-11-1990
SITE INSPECTION NFRAP (No Futher Remedial Action Planned	EPA Fund-Financed Primary	06-20-1991	09-25-1991

TARGET SITE: 605 EAST MAPLE ST

MAOUOKETA IA 52060

JOB: MISSMAN CLINTON ENGINES

	REGISTERED U	NDERGROUP	ND STORAGE T	ANKS	
SEARCH ID: 3	D	(ST/DIR: 0.	25 NE	MAP ID:	3
NAME: CASEYS ADDRESS: 801 EAST PLATT ST MAQUOKETA IA 520 JACKSON			REV: ID1: ID2: STATUS:	11/17/98 8605566	
CONTACT:			PHONE:	(000) 0000000	
TOTAL NUMBER OF TANKS:	2				
OWNER INFORMATION					
Type of owner:	PRIVATE				
	KNOX CORPORATION				
	PO BOX K BETTENDORF IA 527220)00			
OWNER CONTACT NAME:	(000) 0000000				
UST INFORMATION					
TANK NUMBER:	001				
I'ANK INSTALLED DATE:	1978	in the second of			
fank status: fank in use?:	KEGULATI IN USE	D TANK - ACTIVE	}		
DATE TANK LAST USED:	00/0000				
FANK CAPACITY:	010000 GAI	LONS			
ANK CONTENTS:	GAS				
ANK MATERIAL OF CONSTRUC	TION: STEEL				
TANK PROTECTION INFORMATI	<u>ON</u>	מר מיבו מיבו מיבו מיבו מיבו מיבו מיבו מיבו	273 Ya 274 274 1999 27 27 200 27 27 27 27 27 27 27 27 27 27 27 27 27		
OUBLE WALL TANK: NTERNALLY LINED:	X		C PROTECTION: IC PROTECTION:		
XTERNALLY WRAPPED:	A	EXTERNALLY		Х	
XTERNALLY PAINTED:			ASS REINFORCED I		
XTERNAL COAL TAR:		EXT. FIBERGL	ASS REINFORCED I	JRITHANE:	
THER EXT. TANK PROTECTION	1:				
IPE CONTSTRUCTION AND PRO IBERGLASS REINFORCED PLAS		<u> </u>			
idenglago rentronced plag Alvanized Steel:	TIC: X	BARE STEEL:			
ATHODICALLY PROTECTED:		DOUBLE WALI	PIPING:		
XT. DI-ELECTRIC PIPE COATIN	G:	••			
ELEASE DETECTION					
UTO. LINE LEAK DETECTOR:	X	LINE TIGHTNE	*	X	
APOR MONITORING WELL:	8 ¥ ¥ A		R MONITORING W	ELL:	
ONITORING SPACE ON DBL. W./ UTOMATIC TANK GAUGING:	\$.88×	LINED EXCAVA MANUAL TANK			
		on our care Appl \$ 525 (28)	n - norm state that the state of the state of		
NK NUMBER:	002				

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

777 179 7777 775 775 775 775 775 775 775 775				***************************************	***************************************
SEARCH ID: 3	DIST/DII	R: 0.25 NE	3	MAP	D: 3
NAME: CASEYS ADDRESS: 801 EAST PLATT ST MAQUOKETA IA 52060 JACKSON CONTACT:			REV: ID1: ID2; STATUS: PHONE:	11/17/98 8605566 (000) 0000000	
TANK INSTALLED DATE: TANK STATUS: TANK IN USET: DATE TANK LAST USED: TANK CAPACITY: TANK CONTENTS: TANK MATERIAL OF CONSTRUCTION:	1978 REGULATED TANK IN USE 00/0000 010000 GALLONS GAS STEEL	-ACTIVB			
TANK PROTECTION INFORMATION DOUBLE WALL TANK: INTERNALLY LINED: EXTERNALLY WRAPPED: EXTERNALLY PAINTED: EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION:	X EXT. 6 EXTE: EXT. 1	ATHODIC PRO CATHODIC PRO RNALLY COAT TBERGLASS RU TBERGLASS RU	OTECTION: ED: EINFORCED	PLASTIC: URITHANE:	X
PIPE CONTSTRUCTION AND PROTECTION FIBERGLASS REINFORCED PLASTIC: GALVANIZED STEEL: CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING:	X BARE	steel: Le Wall Pipir	łG:		
RELEASE DETECTION LUTO. LINE LEAK DETECTOR: VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL: LUTOMATIC TANK GAUGING:	GROUP LINED	IGHTNESS TES DWATER MOI EXCAVATION: LL TANK GAUG	YITORING W	ELL:	х

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

000000000000000000000000000000000000000	MAQUOKETA IA 52060	CLINTON E	VGINES	~~~~~~~
	LEAKING UNDERGROU	JND STORAGE TAI	NKS	
SEARCH ID: 7	DIST/DIR:	0.25 NE	MAP ID:	3
NAME: CASEYS ADDRESS: 801 EAST PLATT: MAQUOKETA IA JACKSON CONTACT:		REV: ID1: ID2: STATUS: PHONE:	11/17/98 8605566 (000) 0000000	
OWNER INFORMATION				
TYPE OF OWNER: OWNER NAME: OWNER ADDRESS: OWNER CONTACT NAME: OWNER CONTACT PHONE:	PRIVATE KNOX CORPORATION PO BOX K BETTENDORF IA 527220000 (000) 0000000	•		
LEAK INFORMATION				
LEAK NUMBER: LEAK DISCOVERY DATE: LEAK DISCOVERY TIME:	7LTW49 00/00/00			
DATE LEAK OCCURRED: TIME LEAK OCCURRED:	00/00/00			
DATE LEAK REPORTED TO DE LEAK REPORTER NAME: LEAK REPORTER COMPANY: LEAK REPORTER ADDRESS: LEAK REPORTER PHONE:	P: 09/21/90 R.M.KNOW KNOX CORP PO BOX K BETTENDORF IA 52722 (319) 359-0356			
CAUSE OF LEAK:	UNK			
PRODUCT RELEASED GAS: WASTE OIL: FUEL OIL: OTHER PETROLEUM: NON-PETROL/CHEMICAL:	x	DIESEL: KEROSE: HOIST O UNKNOW	IL:	
LOCATION OF LEAK SOIL: SURFACE WATER:	X	GROUND WATER S	WATER: UPPLY:	
RESOURCES THREATENED MUNICIPAL WELLS: LIVESTOCK: UNKNOWN:	x	PRIVATE NONE: OTHER:	WELLS:	

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAOUOKETA IA 52060

CLINTON ENGINES

MAQUOI	CETA IA 52060 CLINTON EN	VGINES
LE	AKING UNDERGROUND STORAGE TAI	NKS
SEARCH ID: 7	DIST/DIR: 0.25 NE	MAP ID: 3
NAME: CASEYS ADDRESS: 801 EAST PLATT ST MAQUOKETA IA 52060 JACKSON CONTACT:	REV: ID1: ID2: STATUS: PHONE:	11/17/98 8605566 (000) 0000000
FACILITY TANK INFORMATION		
TANK NUMBER: TANK STATUS: TANK IN USE?: DATE TANK LAST USED: TANK CAPACITY: TANK CONTENTS: TANK MATERIAL OF CONSTRUCTION:	001 REGULATED TANK - ACTIVE IN USE 00/0000 010000 GALLONS GAS STEEL	
TANK PROTECTION INFORMATION DOUBLE WALL TANK: INTERNALLY LINED: EXTERNALLY WRAPPED: EXTERNALLY PAINTED: EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION:	INT. CATHODIC PROTECTION: X EXT. CATHODIC PROTECTION: EXTERNALLY COATED: EXT. FIBERGLASS REINFORCED I EXT. FIBERGLASS REINFORCED I	
PIPE CONTSTRUCTION AND PROTECTION FIBERGLASS REINFORCED PLASTIC: GALVANIZED STEEL: CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING:	N INFORMATION X BARE STEEL: DOUBLE WALL PIPING:	
RELEASE DETECTION AUTO. LINE LEAK DETECTOR: VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:	X LINE TIGHTNESS TESTED: GROUNDWATER MONITORING W LINED EXCAVATION: MANUAL TANK GAUGING:	eal:
TANK NUMBER: TANK STATUS: TANK IN USE?: DATE TANK LAST USED: TANK CAPACITY: TANK CONTENTS: TANK MATERIAL OF CONSTRUCTION:	002 REGULATED TANK - ACTIVE IN USE 00/0000 010000 GALLONS GAS STEEL	
TANK PROTECTION INFORMATION DOUBLE WALL TANK: INTERNALLY LINED: EXTERNALLY WRAPPED: EXTERNALLY PAINTED:	INT. CATHODIC PROTECTION: X EXT. CATHODIC PROTECTION: EXTERNALLY COATED: EXT. FIBERGLASS REINFORCED P	X LASTIC:

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

LJA:		NDERGROU	TIND SIO	NAUE IA	CAYL	**************************************
SEARCH ID: 7		DIST/DIR:	0.25 NE	***************************************	MAPI	D: 3
NAME: CASEYS ADDRESS: 801 EAST PLATT ST MAQUOKETA IA 52060 JACKSON CONTACT:				REV: ID1: ID2: STATUS: PHONE:	11/17/98 8605566 (000) 0000000	
EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION: PIPE CONTSTRUCTION AND PROTECTIO	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		ERGLASS R	EINFORCEI	URITHANE:	
FIBERGLASS REINFORCED PLASTIC: GALVANIZED STEEL: CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING:	X	BARE STI DOUBLE	eel: Wall pipii	NG:		
RELEASE DETECTION AUTO. LINE LEAK DETECTOR: VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:	X	GROUNDY LINED EX	HTNESS TE WATER MO CAVATION TANK GAU	NITORING '	VELL:	X

TARGET SITE: 605 EAST MAPLE ST

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

SEARCH	ID: 4	DIST/DIR:	0.25 NW	MAPID: 5
NAME:	DUDE S 66		REV:	11/17/98
ADDRESS:			ID1:	8607320
	MAQUOKETA IA 52060 JACKSON		ID2: STATUS:	
CONTACT:			PHONE:	(000) 0000000

TYPE OF OWNER:

PRIVATE

OWNER NAME: OWNER ADDRESS: REICHLING OIL CORP 409 E PLATT STREET

MAQUOKETA IA 520600000

OWNER CONTACT NAME:

OWNER CONTACT PHONE:

(000) 00000000

UST INFORMATION

TANK NUMBER:

TANK INSTALLED DATE:

1961

TANK STATUS:

REGULATED TANK - REMOVED OR FILLED

TANK IN USE?:

PERMANENTLY CLOSED

DATE TANK LAST USED:

00/0000

TANK CAPACITY:

004000 GALLONS

TANK CONTENTS:

GAS

TANK MATERIAL OF CONSTRUCTION:

STEEL

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INT. CATHODIC PROTECTION:

INTERNALLY LINED: EXTERNALLY WRAPPED: EXT. CATHODIC PROTECTION:

EXTERNALLY PAINTED:

EXTERNALLY COATED: EXT. FIBERGLASS REINFORCED PLASTIC:

EXTERNAL COAL TAR:

EXT. FIBERGLASS REINFORCED URITHANE:

OTHER EXT. TANK PROTECTION:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

BARE STEEL:

CATHODICALLY PROTECTED:

DOUBLE WALL PIPING:

EXT. DI-ELECTRIC PIPE COATING:

RELEASE DETECTION

GALVANIZED STEEL:

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED: GROUNDWATER MONITORING WELL:

MONITORING SPACE ON DBL. WALL:

LINED EXCAVATION:

MANUAL TANK GAUGING:

TANK NUMBER:

002

- Continued on next page -

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TARGET SITE: 605 EAST MAPLE ST

JOB:

and an animal to their steam and the second and the second of	X 1744 X4 AMA A 4		MISSMAN	
MAQUU)KETA IA 52060	CLINTON E	NGINES	***************************************
REG	HSTERED UNDERGR	OUND STORAGE T	ANKS	
SEARCH ID: 4	DIST/DIR:	0.25 NW	MAP ID:	5
NAME: DUDE S 66 ADDRESS: 409 EAST PLATT MAQUOKETA IA 52060 JACKSON		REV: IDi: ID2: STATUS:	11/17/98 8607320	
CONTACT:		PHONE:	(000) 0000000	
TANK INSTALLED DATE: TANK STATUS: TANK IN USE?: DATE TANK LAST USED: TANK CAPACITY: TANK CONTENTS: TANK MATERIAL OF CONSTRUCTION:	1961 REGULATED TANK - RI PERMANENTLY CLOSE 00/0000 004000 GALLONS GAS STEEL			
TANK PROTECTION INFORMATION DOUBLE WALL TANK: INTERNALLY LINED: EXTERNALLY WRAPPED: EXTERNALLY PAINTED: EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION:	EXT. CAT EXTERNA EXT. FIB	THODIC PROTECTION: IHODIC PROTECTION: ALLY COATED: ERGLASS REINFORCED ERGLASS REINFORCED		
PIPE CONTSTRUCTION AND PROTECTION	ON INFORMATION			
FIBERGLASS REINFORCED PLASTIC: GALVANIZED STEEL: CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING:	X BARE STI DOUBLE	eel: Wall piping:		
RELEASE DETECTION AUTO. LINE LEAK DETECTOR: VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:	GROUND' LINED EX	HTNESS TESTED: WATER MONITORING V ICAVATION: TANK GAUGING:	vell:	

TANK NUMBER:

TANK INSTALLED DATE:

TANK STATUS:

TANK IN USE?:

DATE TANK LAST USED: TANK CAPACITY:

TANK CONTENTS:

TANK CONTENTS:
TANK MATERIAL OF CONSTRUCTION:

003

00/0000

GAS

STEEL

TANK PROTECTION INFORMATION DOUBLE WALL TANK:

INTERNALLY LINED: EXTERNALLY WRAPPED: EXTERNALLY PAINTED: EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION: INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

REGULATED TANK - REMOVED OR FILLED

PERMANENTLY CLOSED

004000 GALLONS

- Continued on next page -

X

TARGET SITE: 605 EAST MAPLE ST

JOR:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

REGISTERED	UNDERGROUND	STORAGE	TANKS

SEARCH ID: 4

DIST/DIR:

0.25 NW

MAP ID:

NAME:

CONTACT:

DUDES 66

ADDRESS: 409 EAST PLATT

MAQUOKETA IA 52060

JACKSON

REV: mı:

11/17/98 8607320

ID2: PHONE:

STATUS:

(000) 00000000

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

X

BARR STEEL:

CATHODICALLY PROTECTED:

DOUBLE WALL PIPING:

EXT. DI-ELECTRIC PIPE COATING:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION:

MANUAL TANK GAUGING:

TANK NUMBER:

TANK INSTALLED DATE:

TANK STATUS:

REGULATED TANK - REMOVED OR FILLED

TANK IN USE?:

PERMANENTLY CLOSED 00/0000

004

1965

DATE TANK LAST USED: TANK CAPACITY:

000300 GALLONS

TANK CONTENTS:

TANK MATERIAL OF CONSTRUCTION:

OIL STEET.

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED:

EXTERNALLY WRAPPED:

EXTERNALLY PAINTED:

EXTERNAL COAL TAR:

INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXT. FIBERGLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANE:

OTHER EXT. TANK PROTECTION:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

EXT. DI-ELECTRIC PIPE COATING:

GALVANIZED STEEL: CATHODICALLY PROTECTED:

BARE STEEL:

DOUBLE WALL PIPING:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION: MANUAL TANK GAUGING: Х

TARGET SITE: 605 EAST MAPLE ST

MAQUOKETA IA 52060

JOB: MISSMAN CLINTON ENGINES

SEARCH ID: 9	DIST/DIR:	0.25 NW		MAP ID:	5
NAME: DUDE S 66 ADDRESS: 409 EAST PLATT MAQUOKETA IA 52 JACKSON CONTACT:	060	REV ID1: ID2: STA	860732 TUS:	Ó	
		PHO	NE: (000) 00	000000	***************************************
OWNER INFORMATION					
OWNER ADDRESS: OWNER CONTACT NAME:	PRIVATE REICHLING OIL CORP 409 E PLATT STREET MAQUOKETA IA 520600000				
LEAK INFORMATION					
LEAK NUMBER: LEAK DISCOVERY DATE: LEAK DISCOVERY TIME:	8LTA51 08/21/90 UNK				
DATE LEAK OCCURRED: TIME LEAK OCCURRED:	00/00/00				
PATE LEAK REPORTED TO DEP: .EAK REPORTER NAME: .EAK REPORTER COMPANY: .EAK REPORTER ADDRESS: .EAK REPORTER PHONE:	10/05/90 CHUCK REICHLIUS REICHLING OIL CO 409 E PLATT MAQUOKETA IA 52060 (319) 652-2448				
AUSE OF LEAK:	UNK				
RODUCT RELEASED AS: ASTE OIL: JEL OIL: THER PETROLEUM: DN-PETROL/CHEMICAL:	x	KE HC	esel: Rosene: Ist oil: Known:		
<u>OCATION OF LEAK</u> IL: RFACE WATER:			OUND WATER: TER SUPPLY:	Х	
SOURCES THREATENED FNICIPAL WELLS: /ESTOCK: KNOWN:		PRI NO:	VATE WELLS:	X	

Site Details Page - 20

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

LEAKING	INDER	GROTININ	STORA	GF TANK	8
LANGUAGE VAL	- N.J. A. N.E. J. R. J. A. V.			CL1 & C & C & C & C & C & C & C & C & C &	.1.2

SEARCH ID: 9

DIST/DIR:

0.25 NW

MAP ID:

X

NAME:

CONTACT:

DUDES 66

ADDRESS: 409 EAST PLATT

MAQUOKETA IA 52060

JACKSON

REV: TD1:

11/17/98 8607320

m2:

STATUS:

PHONE:

(000) 0000000

FACILITY TANK INFORMATION

TANK NUMBER:

TANK STATUS: TANK IN USE?:

REGULATED TANK - REMOVED OR FILLED

DATE TANK LAST USED:

PERMANENTLY CLOSED 00/0000

001

TANK CAPACITY:

004000 GALLONS

TANK CONTENTS:

GAS

STEEL TANK MATERIAL OF CONSTRUCTION:

TANK PROTECTION INFORMATION

DOUBLE WALL TANK: INTERNALLY LINED:

EXTERNALLY WRAPPED:

EXTERNALLY PAINTED:

EXTERNAL COAL TAR:

OTHER EXT. TANK PROTECTION:

INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXT. FIBERGLASS REINFORCED PLASTIC:

EXT. FIBERGLASS REINFORCED URITHANE:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

EXT. DI-ELECTRIC PIPE COATING:

GALVANIZED STEEL:

CATHODICALLY PROTECTED:

X

BARE STEEL:

DOUBLE WALL PIPING:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION:

AUTOMATIC TANK GAUGING: MANUAL TANK GAUGING:

TANK NUMBER:

TANK STATUS: TANK IN USE?: REGULATED TANK - REMOVED OR FILLED PERMANENTLY CLOSED

DATE TANK LAST USED:

00/0000

TANK CAPACITY:

TANK CONTENTS:

TANK MATERIAL OF CONSTRUCTION:

004000 GALLONS

GAS STEEL

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED: EXTERNALLY WRAPPED: EXTERNALLY PAINTED:

INT. CATHODIC PROTECTION:

EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXT. FIBERGLASS REINFORCED PLASTIC:

- Continued on next page -

Site Details Page - 21

TARGET SITE:	605 EAST MAPLI	a ST		JOB:	እ <i>ለፕሮ</i> ርርኒኤ <i>ል አ</i> .ኤ.ፕ	
	MAQUOKETA IA	. 52060	CLI	NTON ENGINE	MISSMAN ES	
LEAKING UNDERGROUND STORAGE TANKS						
SEARCH ID: 9		DIST/DIR:	0.25 NW		MAP ID:	5
NAME: DUDE S 66 ADDRESS: 409 EAST PLATT MAQUOKETA IA JACKSON CONTACT:			11 11 S3	EV: 11/17 D1: 8607 D2: TATUS: HONE: (600)		
EXTERNAL COAL TAR: OTHER EXT. TANK PROTECT	MON:	EXT. FIBI	ERGLASS REI	NFORCED URITE	IANE:	
PIPE CONTSTRUCTION AND PIBERGLASS REINFORCED PIGALVANIZED STEEL: CATHODICALLY PROTECTED EXT. DI-ELECTRIC PIPE COA	LASTIC: X D:	BARE STE	eel: Wall piping	is:		
RELEASE DETECTION AUTO. LINE LEAK DETECTOR VAPOR MONITORING WELL:		***************************************	HTNESS TEST WATER MONI	ED: TORING WELL:		

MONITORING SPACE ON DBL. WALL:

AUTOMATIC TANK GAUGING:

LINED EXCAVATION: MANUAL TANK GAUGING:

TANK NUMBER:

TANK STATUS:

003

REGULATED TANK - REMOVED OR FILLED

TANK IN USE?:

PERMANENTLY CLOSED 00/0000

DATE TANK LAST USED:

TANK CAPACITY:

004000 GALLONS GAS

TANK CONTENTS:

TANK MATERIAL OF CONSTRUCTION:

STEEL

TANK PROTECTION INFORMATION

DOUBLE WALL TANK: INTERNALLY LINED:

EXTERNALLY WRAPPED:

EXT. CATHODIC PROTECTION: EXTERNALLY COATED:

INT. CATHODIC PROTECTION:

EXT. FIBERGLASS REINFORCED PLASTIC:

EXTERNALLY PAINTED: EXTERNAL COAL TAR:

OTHER EXT. TANK PROTECTION:

EXT. FIBERGLASS REINFORCED URITHANE:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

BARE STEEL:

CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING: DOUBLE WALL PIPING:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION: MANUAL TANK GAUGING:

- More Details Exist For This Site; Max Page Limit Reached -

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TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

LEAKING UNDERGROUND STORAGE TANKS			
SEARCH ID: 8	DIST/DIR:	0.30 NW	MAP ID: 4
NAME: COASTAL MART : ADDRESS: 302 E PLATT MAQUOKETA IA S JACKSON		REV: ID1: ID2: STATUS:	11/17/98 8602872
CONTACT:		PHONE:	(000) 0000000
OWNER INFORMATION			
TYPE OF OWNER: OWNER NAME: OWNER ADDRESS: OWNER CONTACT NAME: OWNER CONTACT PHONE:	PRIVATE COASTAL MART INC #1086 9 GREENWAY PLAZA #2086 HOUSTON TX 770460000		
OWNER CONTACT PROME:	(000) 0000000		
LEAK INFORMATION			
LEAK NUMBER: LEAK DISCOVERY DATE: LEAK DISCOVERY TIME:	7LTA66 00/00/00		
DATE LEAK OCCURRED: TIME LEAK OCCURRED:	00/00/00		
DATE LEAK REPORTED TO DE LEAK REPORTER NAME: LEAK REPORTER COMPANY: LEAK REPORTER ADDRESS:	P: 08/01/88		
LEAK REPORTER PHONE:	00000 (000) 000-0000		
CAUSE OF LEAK:			
PRODUCT RELEASED GAS: WASTE GIL: FUEL GIL: OTHER PETROLEUM: NON-PETROL/CHEMICAL:	x	DIESEL KEROS HOIST (UNKNO	ENE: OIL:
L <u>OCATION OF LEAK</u> SOIL: SURFACE WATER:			D WATER: SUPPLY:
RESOURCES THREATENED MUNICIPAL WELLS: LIVESTOCK: UNKNOWN:		PRIVAT NONE: OTHER:	E WELLS:
		- Conti	nued on next page -

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

1777.00.0	SILLA LA JAV	~~			
LEA	AKING UNI)ERGRO	UND STORAGE TA	NKS	
SEARCH ID: 8	DI	ST/DIR:	0.30 NW	MAP ID:	4
NAME: COASTAL MART #2438 ADDRESS: 302 E PLATT MAQUOKETA IA 52060 JACKSON			REV: ID1: ID2: STATUS:	11/17/98 8602872	
CONTACT:		***************************************	PHONE:	(000) 0000000	
FACILITY TANK INFORMATION					
TANK NUMBER:	001				
TANK STATUS:	REGULATE	D TANK - A	CTIVE		
TANK IN USE?:	IN USE				
DATE TANK LAST USED:	00/0000				
TANK CAPACITY:	012000 GAL	LONS			
TANK CONTENTS: TANK MATERIAL OF CONSTRUCTION:	GAS STEEL				
indiscribe to larrerize arian	SIEEL				
TANK PROTECTION INFORMATION					
DOUBLE WALL TANK:			THODIC PROTECTION:		
INTERNALLY LINED:	X		THODIC PROTECTION:		
EXTERNALLY WRAPPED:	**		ALLY COATED:	m ichie.	
EXTERNALLY PAINTED:	X		ERGLASS REINFORCED ERGLASS REINFORCED		
EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION:		ral. Fin	ullin certema	CANA A AMAIN SUG	
NA K KREIKO KIAKA A A PRITER K KRAPA KARAKAKAIN.					
PIPE CONTSTRUCTION AND PROTECTIO	<u>n informati</u>	<u>on</u>			
FIBERGLASS REINFORCED PLASTIC:					
GALVANIZED STEEL:	X	BARE ST			
CATHODICALLY PROTECTED:		DOUBLE	WALL PIPING:		
EXT. DI-ELECTRIC PIPE COATING:					
RELEASE DETECTION					
AUTO. LINE LEAK DETECTOR:			HTNESS TESTED:	X	
VAPOR MONITORING WELL:			WATER MONITORING \	vell:	
MONITORING SPACE ON DBL. WALL:			KCAVATION: . TANK GAUGING:		
AUTOMATIC TANK GAUGING:		MANUAL	indfiendlyddig Affici i		
FANK NUMBER:	002				
FANK STATUS:	REGULATEI) TANK - A(CHYE		
TANK IN USE?:	IN USE				
DATE TANK LAST USED:	00/0000 006000 GALI	ONIC			
FANK CAPACITY: FANK CONTENTS:	GAS	VINO.			
ANK MATERIAL OF CONSTRUCTION:	STEEL				
The second section and a second secon					
TANK PROTECTION INFORMATION					
OUBLE WALL TANK:	**	***	HODIC PROTECTION:		
NTERNALLY LINED:	X		HODIC PROTECTION: ALLY COATED:		
:XTERNALLY WRAPPED: :XTERNALLY PAINTED:	X		ELLI COALED: ERGLASS REINFORCED	PLASTIC:	
AND REPORT AND EAST OF THE STATE OF THE STAT	Λ	auge e e exu	CARLERONS ARBIAL AND	no. America analisti dia 100 Nort 19	

- Continued on next page -

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

LEAKING UNDERGROUND STORAGE TANKS						
SEARCH ID: 8	DIS	T/DIR:	0.30 NW		MAP ID:	4
NAME: COASTAL MART #2438			RE	V: 1	1/17/98	
ADDRESS: 302 E PLATT			ID1		3602872	
MAQUOKETA IA 52060			ID2	: XTUS:		
JACKSON CONTACT:					000) 0000000	***************************************
EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION:		EXT. FIB	ERGLASS REIN	FORCED UF	rithane:	
PIPE CONTSTRUCTION AND PROTECTIO	<u>IN INFORMATION</u>	N.				
FIBERGLASS REINFORCED PLASTIC:	x	BARE ST	FF.			
GALVANIZED STEEL: CATHODICALLY PROTECTED:	^		WALL PIPING:			
EXT, DI-ELECTRIC PIPE COATING:						
RELEASE DETECTION		א אושר אפולאל א	ላ ችልዩነቶኒያቸስ ችስ ርስኒኒ - ፊላፊሪን ሚኒሔራሪታ	2.9 *	-1	×
AUTO. LINE LEAK DETECTOR:			HTNESS TESTE WATER MONIT			ъ.
VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL:			XCAVATION:	The second to the P. C. Marie		
AUTOMATIC TANK GAUGING:		MANUAL	, TANK GAUGIN	G:		
IANK NUMBER: IANK STATUS: IANK IN USE?: DATE TANK LAST USED: IANK CAPACITY:	003 REGULATED IN USE 00/0000 002000 GALL		CTIVE			
TANK CONTENTS:	GAS					
TANK MATERIAL OF CONSTRUCTION:	STEEL					
TANK PROTECTION INFORMATION DOUBLE WALL TANK:		INT. CAT	HODIC PROTEC	TION:		
DOUBLE WALL LAIM: INTERNALLY LINED:	X	EXT. CAT	CHODIC PROTE			
EXTERNALLY WRAPPED:			ALLY COATED:	242 XX:25X CX-X	A CORPECT.	
EXTERNALLY PAINTED:	X		ERGLASS REINI ERGLASS REINI			
EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION:		**** * 9. ****	nggram na thair sharks annur fact an hadan dha ti th			
PIPE CONTSTRUCTION AND PROTECTIO	<u>N INFORMATIC</u>	<u> 2N</u>				
CHARLES WAS TOO ANALESCED CALLED AND THE TOTAL TO A CLARKE.		BARE STI	ere i	•		
	X		ebl: WALL PIPING:	,		
GALVANIZED STEEL:						
FIBERGLASS REINFORCED PLASTIC: GALVANIZED STEEL: CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING:						
GALVANIZED STEEL: CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING: RELEASE DETECTION		a korkan inini	STRANGE STORT OF THE AREA CONSTRUCTION	FY+	X	
GALVANIZED STEEL: CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING: RELEASE DETECTION AUTO, LINE LEAK DETECTOR:			HTNESS TESTE		X A:	
GALVANIZED STEEL: CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING: RELEASE DETECTION		GROUND'	HINESS TESTE WATER MONIT (CAVATION:			

Site Details Page - 25

- More Details Exist For This Site; Max Page Limit Reached -

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

LEAKING UNDERGROUND STORAGE TANKS			
SEARCH ID: 10	DIST/DIR:	0.30 NW	MAP ID: 6
NAME: EAST PLATT NOR: ADDRESS: 303 EAST PLATT MAQUOKETA IA 5 JACKSON CONTACT: TERRY V BULLER	2060	REV: ID1: ID2: STATUS: PHONE:	11/17/98 8603860 (309) 7884549
OWNER INFORMATION			(307) 7001043
TYPE OF OWNER: OWNER NAME: OWNER ADDRESS: OWNER CONTACT NAME: OWNER CONTACT PHONE:	PRIVATE MIDWAY OIL COMPANY 4330 11TH STREET BOX 4540 ROCK ISLAND IL 612044540 TERRY V BULLER (309) 7884549		
LEAK INFORMATION			
LEAK NUMBER: LEAK DISCOVERY DATE: LEAK DISCOVERY TIME:	7LTH13 11/09/89 AM		
DATE LEAK OCCURRED: TIME LEAK OCCURRED:	00/00/00 UNK		
DATE LEAK REPORTED TO DEP LEAK REPORTER NAME: LEAK REPORTER COMPANY: LEAK REPORTER ADDRESS:	: 11/13/89 TERRY BULLER		
LEAK REPORTER PHONE:	00000 (000) 000-0000		
CAUSE OF LEAK:			
PRODUCT RELEASED GAS: WASTE OIL: PUEL OIL: DTHER PETROLEUM: NON-PETROL/CHEMICAL:	X	DIESEL KEROSI HOIST (UNKNO	ene: dul:
OCATION OF LEAK OIL: URFACE WATER:	x		D WATER: SUPPLY:
ESOURCES THREATENED IUNICIPAL WELLS: IVESTOCK: NKNOWN:	x	PRIVATI NONE: OTHER:	E WELLS:
		- Contin	ued on next page -

Site Details Page - 26

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

LEAKING	INDER	GROUND	STOR	ACT	TANKS
	E CLYLLLAN	へよどく アイン とりより		"LLLFX"	LANDAN

SEARCH ID: 10

DIST/DIR:

0.30 NW

MAP ID:

NAME: ADDRESS:

EAST PLATT NORTH STARR

303 EAST PLATT

MAQUOKETA IA 52060

JACKSON

CONTACT: TERRY V BULLER

REV: mı: ID2:

11/17/98 8603860

STATUS:

PHONE: (309) 7884549

FACILITY TANK INFORMATION

TANK NUMBER:

001

TANK STATUS: TANK IN USE?:

REGULATED TANK - REMOVED OR FILLED PERMANENTLY CLOSED

DATE TANK LAST USED:

00/0000

TANK CAPACITY:

004000 GALLONS

TANK CONTENTS:

GAS STEEL

TANK MATERIAL OF CONSTRUCTION:

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED: EXTERNALLY WRAPPED:

EXTERNALLY PAINTED:

EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION: INT. CATHODIC PROTECTION:

EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXT. FIBERGLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANE:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

BARE STEEL:

CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING: DOUBLE WALL PIPING:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL:

AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION:

MANUAL TANK GAUGING:

TANK NUMBER:

TANK STATUS: TANK IN USE?:

REGULATED TANK - REMOVED OR FILLED PERMANENTLY CLOSED

DATE TANK LAST USED:

TANK CAPACITY:

00/0000

006000 GALLONS

TANK CONTENTS:

GAS STEEL.

TANK MATERIAL OF CONSTRUCTION:

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED:

INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXTERNALLY WRAPPED: EXTERNALLY PAINTED:

EXT. FIBERGLASS REINFORCED PLASTIC:

- Continued on next page -

Site Details Page - 27

TARGET SITE: 605 EAST MAPLE ST

JOB:

MAQUOKETA L	A 52060	CLINTON E	MISSMAN NGINES		
LEAKING UNDERGROUND STORAGE TANKS					
SEARCH ID: 10	DIST/DIR:	0.30 NW	MAP ID:	6	
NAME: EAST PLATT NORTH STARR ADDRESS: 303 EAST PLATT MAQUOKETA IA 52060 JACKSON CONTACT: TERRY V BULLER		REV: ID1: ID2: STATUS: PHONE:	11/17/98 8603860 (309) 7884549		
EXTERNAL COAL TAR: EXT. FIBERGLASS REINFORCED URITHANE: OTHER EXT. TANK PROTECTION:					
PIPE CONTSTRUCTION AND PROTECTION INFOI FIBERGLASS REINFORCED PLASTIC: GALVANIZED STEEL: X CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING:	BARE ST	EEL: WALL PIPING:			
RELEASE DETECTION AUTO. LINE LEAK DETECTOR: VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL:	GROUND	HTNESS TESTED: WATER MONITORING \	WELL:		

AUTOMATIC TANK GAUGING:

MANUAL TANK GAUGING:

TANK NUMBER:

TANK STATUS:

003

REGULATED TANK - REMOVED OR FILLED

TANK IN USE?: DATE TANK LAST USED: PERMANENTLY CLOSED 00/0000

TANK CAPACITY:

000550 GALLONS

TANK CONTENTS:

GAS

STEEL

TANK MATERIAL OF CONSTRUCTION:

TANK PROTECTION INFORMATION

DOUBLE WALL TANK: INTERNALLY LINED:

EXTERNALLY WRAPPED:

INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION: EXTERNALLY COATED:

EXTERNALLY PAINTED:

EXT. FIBERGLASS REINFORCED PLASTIC:

EXTERNAL COAL TAR:

EXT. FIBERGLASS REINFORCED URITHANE:

OTHER EXT. TANK PROTECTION:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

BARE STEEL:

CATHODICALLY PROTECTED:

DOUBLE WALL PIPING:

EXT. DI-ELECTRIC PIPE COATING:

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION: MANUAL TANK GAUGING:

- More Details Exist For This Site; Max Page Limit Reached -

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

LEAKING UNDERGROUND STORAGE TANKS				
SEARCH ID: 13	DIST/DIR:	0.38 NW	MAP ID: 8	
NAME: U S WEST ADDRESS: 121 N OLIVE MAQUOKETA IA JACKSON CONTACT:		REV: ID1: ID2: STATUS: PHONE:	11/17/98 8607726 (000) 0000000	
OWNER INFORMATION				
TYPE OF OWNER: OWNER NAME: OWNER ADDRESS: OWNER CONTACT NAME: OWNER CONTACT PHONE:	PRIVATE U S WEST 925 HIGH, 8 NORTH OF 10 DES MOINES IA 503090000 (000) 0000000			
LEAK INFORMATION				
FACILITY TANK INFORMATIO	N			
LEAK NUMBER: LEAK DISCOVERY DATE: LEAK DISCOVERY TIME:	9LTB82 06/13/95 PM			
DATE LEAK OCCURRED: TIME LEAK OCCURRED:	00/00/00			
DATE LEAK REPORTED TO DEI LEAK REPORTER NAME: LEAK REPORTER COMPANY: LEAK REPORTER ADDRESS: LEAK REPORTER PHONE:	P: 06/14/95 RON RUPE US WEST 925 HIGH STREET DES MOINES IA 50309 (515) 282-7243	÷		
CAUSE OF LEAK:	UNK			
PRODUCT RELEASED GAS: WASTE OIL: FUEL OIL: OTHER PETROLEUM: NON-PETROL/CHEMICAL:		DIESEL KEROSI HOIST (UNKNO	ene: Dil:	
LOCATION OF LEAK SOIL: SURFACE WATER:	x		D WATER: SUPPLY:	
RESOURCES THREATENED MUNICIPAL WELLS: LIVESTOCK:		PRIVATI NONE:	e wells:	
			sued on next page -	

And the desired the trade desired alle. Since the sales about the	T MAPLE ST KETA IA 52060	JOB: MISSMAN CLINTON ENGINES			
LEAKING UNDERGROUND STORAGE TANKS					
SEARCH ID: 13	DIST/DIR:	0.38 NW	MAP ID:	8	
NAME: U S WEST ADDRESS: 121 N OLIVE MAQUOKETA IA JACKSON CONTACT:		REV: ID1: ID2: STATUS: PHONE:	11/17/98 8607726 (000) 0000000		
UNKNOWN:	X	OTHE	R:		
TANK NUMBER: TANK STATUS: TANK IN USE7: DATE TANK LAST USED: TANK CAPACITY: TANK CONTENTS: TANK MATERIAL OF CONSTRUCTION: TANK PROTECTION INFORMATION	001 NON-REGULATED HEA PERMANENTLY CLOSE 00/0000 000500 GALLONS PETROLEUM OTHER STEEL	TING OIL TANK - REMO' ED	VED OR FILLED		
DOUBLE WALL TANK: INTERNALLY LINED: EXTERNALLY WRAPPED: EXTERNALLY PAINTED: EXTERNAL COAL TAR: OTHER EXT. TANK PROTECTION:	EXT. CAT EXTERN/ EXT. FIBI	HODIC PROTECTION: HODIC PROTECTION: LLLY COATED: ERGLASS REINFORCEI ERGLASS REINFORCEI			
PIPE CONTSTRUCTION AND PROTECTIO FIBERGLASS REINFORCED PLASTIC: GALVANIZED STEEL: CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING:	X BARE STE	CEL: WALL PIPING:	`		
RELEASE DETECTION AUTO. LINE LEAK DETECTOR: VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:	GROUNDY LINED EX	HTNESS TESTED: VATER MONITORING V CAVATION: TANK GAUGING:	WELL:		

TARGET SITE:	605 EAST MAPLE ST	JOE	}: MISSMAN	
	MAQUOKETA IA 52060	CLINTON ENGI		
	LEAKING UNDERGROU	JND STORAGE TANK	S	
SEARCH ID: 12	DIST/DIR:	0.43 SE	MAP ID:	9
NAME: MAQUOKETA WI ADDRESS: 1209 E MAPLE ST MAQUOKETA IA JACKSON CONTACT: JOHN MELVOLD	•	ID1: 89 ID2: STATUS:	1/17/98 913804 19) 6524971	
OWNER INFORMATION TYPE OF OWNER: OWNER NAME: OWNER ADDRESS: OWNER CONTACT NAME: OWNER CONTACT PHONE:	PRIVATE MAQUOKETA NEWSPAPERS INC 108 W QUARRY ST MAQUOKETA IA 520600000 JOHN MELVOLD (319) 6524971			
LEAK INFORMATION LEAK NUMBER: LEAK DISCOVERY DATE: LEAK DISCOVERY TIME: DATE LEAK OCCURRED:	7LTF02 00/00/00 00/00/00			2
TIME LEAK OCCURRED: DATE LEAK REPORTED TO DI LEAK REPORTER NAME: LEAK REPORTER COMPANY: LEAK REPORTER ADDRESS:	00000			
LEAK REPORTER PHONE: CAUSE OF LEAK:	(000) 000-0000			-
PRODUCT RELEASED GAS: WASTE OIL: FUEL OIL: OTHER PETROLEUM: NON-PETROL/CHEMICAL:		DIESEL: KEROSENE: HOIST OIL: UNKNOWN:	X	
LOCATION OF LEAK SOIL: SURFACE WATER:	x	GROUND WA WATER SUPP		
RESOURCES THREATENED MUNICIPAL WELLS: LIVESTOCK: UNKNOWN:	x	PRIVATE WE NONE: OTHER:	LLS:	

Site Details Page - 31

- Continued on next page -

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

LEAKING	UNDERGROUND	STORAGE TAN	$\mathbb{R}^{\mathbb{Q}}$
LAKENT KAKAK Y CA	- V. I. Y. I. Z. J. J. J. Z. Z. J. Z.		48.13

SEARCH ID: 12

DIST/DIR:

0.43 SE

MAP ID:

9

NAME:

MAQUOKETA WEB PRINTING

ADDRESS: 1209 E MAPLE ST

MAQUOKETA IA 52060

JACKSON

CONTACT: JOHN MELVOLD

REV: m:

11/17/98 8913804

ID2:

STATUS:

PHONE:

(319) 6524971

FACILITY TANK INFORMATION

TANK NUMBER:

TANK STATUS:

REGULATED TANK - REMOVED OR FILLED

TANK IN USE?: DATE TANK LAST USED:

PERMANENTLY CLOSED 08/1985

TANK CAPACITY:

010000 GALLONS

TANK CONTENTS:

DIESEL

TANK MATERIAL OF CONSTRUCTION:

STEEL

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED:

EXTERNALLY WRAPPED:

EXTERNAL COAL TAR:

EXTERNALLY PAINTED:

INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXT. FIBERGLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANE:

OTHER EXT. TANK PROTECTION:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

CATHODICALLY PROTECTED: EXT. DI-ELECTRIC PIPE COATING: BARE STEEL:

DOUBLE WALL PIPING:

Х

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL:

AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION:

MANUAL TANK GAUGING:

TANK NUMBER:

002

TANK STATUS: TANK IN USE?: REGULATED TANK - REMOVED OR FILLED

PERMANENTLY CLOSED

DATE TANK LAST USED:

08/1985

TANK CAPACITY:

007000 GALLONS

TANK CONTENTS:

DIESEL

TANK MATERIAL OF CONSTRUCTION:

STEEL

TANK PROTECTION INFORMATION

DOUBLE WALL TANK: INTERNALLY LINED:

INT. CATHODIC PROTECTION: EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXTERNALLY WRAPPED: EXTERNALLY PAINTED:

EXT. FIBERGLASS REINFORCED PLASTIC:

- Continued on next page -

Site Details Page - 32

TARGET SITE: 605 EAST MAPLE ST

JOB:

MISSMAN

MAQUOKETA IA 52060

CLINTON ENGINES

TEAKING	TINDERGROUND	STORAGE TANKS
	E STENETE SENTENCE SENTENCE	

SEARCH ID: 12

DIST/DIR:

0.43 SE

MAP ID:

NAME:

MAQUOKETA WEB PRINTING

ADDRESS: 1209 E MAPLE ST

MAQUOKETA IA 52060

JACKSON

CONTACT: JOHN MELVOLD

REV: ma: TB2:

STATUS:

PHONE:

(319) 6524971

11/17/98

8913804

EXTERNAL COAL TAR:

OTHER EXT. TANK PROTECTION:

EXT. FIBERGLASS REINFORCED URITHANE:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

GALVANIZED STEEL:

CATHODICALLY PROTECTED:

EXT. DI-ELECTRIC PIPE COATING:

BARE STEEL:

DOUBLE WALL PIPING:

Х

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL:

MONITORING SPACE ON DBL. WALL: AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION: MANUAL TANK GAUGING:

TANK NUMBER:

003

TANK STATUS: TANK IN USE?:

REGULATED TANK - REMOVED OR FILLED PERMANENTLY CLOSED

DATE TANK LAST USED:

08/1985

TANK CAPACITY:

007000 GALLONS

TANK CONTENTS:

DIESEL TANK MATERIAL OF CONSTRUCTION: STEEL

TANK PROTECTION INFORMATION

DOUBLE WALL TANK:

INTERNALLY LINED:

EXTERNALLY WRAPPED:

EXTERNALLY PAINTED:

EXTERNAL COAL TAR:

INT. CATHODIC PROTECTION:

EXT. CATHODIC PROTECTION:

EXTERNALLY COATED:

EXT. FIBERGLASS REINFORCED PLASTIC: EXT. FIBERGLASS REINFORCED URITHANE:

OTHER EXT. TANK PROTECTION:

PIPE CONTSTRUCTION AND PROTECTION INFORMATION

FIBERGLASS REINFORCED PLASTIC:

EXT. DI-ELECTRIC PIPE COATING:

GALVANIZED STEEL:

CATHODICALLY PROTECTED:

DOUBLE WALL PIPING:

Х

RELEASE DETECTION

AUTO. LINE LEAK DETECTOR:

VAPOR MONITORING WELL: MONITORING SPACE ON DBL. WALL:

AUTOMATIC TANK GAUGING:

LINE TIGHTNESS TESTED:

GROUNDWATER MONITORING WELL:

LINED EXCAVATION:

MANUAL TANK GAUGING:

- More Details Exist For This Site; Max Page Limit Reached -

Environmental FirstSearch Federal Databases and Sources

1. NPL: National Priority List. The EPA's list of confirmed or proposed Superfund sites.

Updated quarterly.

2. CERCLIS: Comprehensive Environmental Response Compensation and Liability Information System. The EPA's database of current and potential Superfund sites currently or previously under investigation.

Updated quarterly.

3. RCRIS: Resource Conservation and Recovery Information System. The EPA's database of registered hazardous waste generators and treatment, storage and disposal facilities. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List).

Updated quarterly.

4. ERNS: Emergency Response Notification System.
The EPA's database of EPA emergency response actions.

Updated quarterly.

5. NPDES: National Pollution Discharge Elimination System.
The EPA's database of all permitted facilities receiving and discharging effluents to and from the environment.

Updated semi-annually.

6. FINDS: The Facility Index System. The EPA's Index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility.

Updated quarterly.

Environmental FirstSearch Iowa Databases and Sources

1. LANDFILLS: The Iowa Department of Natural Resources listing of permitted solid waste management facilities as maintained by the Solid Waste Division of the Land Quality Bureau.

Contact: Irene Ray, (515) 281-4968

Updated Quarterly

2. LUST: Leaking Underground Storage Tanks. The Iowa Department of Natural Resources listing of leaking underground storage tanks as maintained by the Bureau of Land Quality Leaking Underground Storage Tank Program.

Contact: Tina Williams, (515) 281-8987

Updated Quarterly

3. STATE SITES: The Iowa Department of Natural Resources listing of Uncontrolled Sites & Emergency Response (USER) as maintained by the Hazardous Waste Division.

Contact: Alesia Whitney-Knight, (515) 242-5084

Updated Yearly

4. UST: Underground Storage Tanks. The Iowa Department of Natural Resources listing of all underground storage tanks as maintained by the Bureau of Land Quality Underground Storage Tank Program. This listing does not contain above ground tanks.

Contact: Tina Williams, (515) 281-8987

Updated Quarterly

Environmental FirstSearch Street Name Report for Streets within 1 Mile(s) of Target Property

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

Street Name	Dist/Dir	Street Name	Dist/Dir		
	0.22 0337	NORTH FIFTH ST	0.62 NW		
ALLEN ST	0.33 SW 0.30 NE	NORTH FACILIST NORTH JONES ST	0.93 NW		
ANDERSON ST		NORTH JONES 31 NORTH MAIN ST	0.41 NW		
AUSTIN	0.55 NW	NORTH MAIN 31 NORTH MATTESON ST	0.24 NW		
BUSINESS RTE 61	0.65 NW		0.51 NW		
BUTTERNUT ST	0.55 NE	NORTH NIAGARA ST	0.36 NW		
CARDINAL DR	0.60 NE	NORTH OLIVE ST	0.27 NW		
CELIA ST	0.98 SW	NORTH OTTO ST			
CENTER ST	0.88 SW	NORTH PROSPECT ST	0.74 NW 0.47 NW		
CIRCLE DR	0.86 SW	NORTH SECOND ST			
COLGATE AVE	0.81 NE	NORTH ST	0.64 NW		
CORNELL AVE	0.77 NE	NORTH VERMONT ST	0.77 NW		
CYNTHIA DR	0.56 NE	NORTH WALNUT ST	0.23 NE		
DUNHAM CT	0.67 NW	PERSHING ROAD	0.71 N-		
E APPLE ST	0.42 NE	S CLARK ST	0.04 NW		
E GROVE ST	0.53 N-	S ELIZA ST	0.21 NW		
E JEFFERSON ST	0.57 SW	S FIFTH ST	0.59 -W		
E JUDSON ST	0.19 SW	S FOURTH ST	0.53 SW		
E LOCUST ST	0.11 SW	S MAIN ST	0.35 NW		
E MAPLE ST	0.01 SW	S MATTESON ST	0.09 NW		
E MONROE ST	0.67 SW	S NIAGARA ST	0.47 NW		
E PLATT ST	0.21 N-	S OLIVE ST	0.29 NW		
E PLEASANT ST	0.13 NW	S OTTO ST	0.16 -W		
E QUARRY ST	0.33 N-	S PROSPECT ST	0.66 SW		
E SUMMIT ST	0.30 SE	S SECOND ST	0.42 NW		
EAST APPLE ST	0.42 NE	S VERMONT ST	0.75 NW		
EAST GROVE ST	0.53 N-	SCHOOL ST	0.59 SW		
EAST JEFFERSON ST	0.57 SW	SHORT ST	0.71 NW		
EAST JUDSON ST	0.19 SW	SOUTH CLARK ST	0.04 NW		
EAST LOCUST ST	0.11 SW	SOUTH ELIZA ST	0.21 NW		
EAST MAPLE ST	0.01 SW	SOUTH FIFTH ST	0.59 -W		
EAST MONROE ST	0.67 SW	SOUTH FOURTH ST	0.53 SW		
EAST PLATT ST	0.21 N-	SOUTH MAIN ST	0.35 NW		
EAST PLEASANT ST	0.13 NW	SOUTH MATTESON ST	0.09 NW		
EAST QUARRY ST	0.33 N-	SOUTH NIAGARA ST	0.47 NW		
EAST SUMMIT ST	0.30 SE	SOUTH OLIVE ST	0.29 NW		
EDDY PL	0.83 SW	SOUTH OTTO ST	0.16-W		
	0.75 SW	SOUTH PROSPECT ST	0.66 SW		
EDDY ST EDNA ST	0.26 NE	SOUTH SECOND ST	0.42 NW		
EMMA CT	0.66 NW	SOUTH VERMONT ST	0.75 NW		
	0.76 SW	STATE HWY 62	0.61 NE		
ERIE ST	0.92 NW	STATE HWY 64	0.61 NE		
GERMAN ST	0.94 SW	SUSAN DR	0.58 NE		
GRANT ST	0.67 NE	THOMAS AVE	0.88 NW		
HARVARD AVE	0.67 NE 0.67 NE	VINE ST	0.95 SW		
IOWA UNIVERSITY AVE	0.61 SE	W APPLE ST	0.55 NW		
JACOBSEN DR	0.01 SE 0.87 SW	W GROVE ST	0.63 NW		
JONES ST	0.52 NE	W JAMES ST	0.45 NW		
KATHEY DR	0.52 NE 0.68 NE	W JEFFERSON ST	0.67 SW		
LISA DR	U.UO NE	AA ATTELTTENTANA NA 12 F	Section 6 No. 65		

Environmental FirstSearch Street Name Report for Streets within 1 Mile(s) of Target Property

TARGET SITE: 605 EAST MAPLE ST

JOB: MISSMAN

MAQUOKETA IA 52060

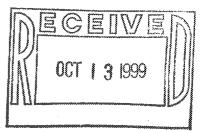
CLINTON ENGINES

Street Name	Street Name Dist/Dir		Dist/Dir
		44.00	
MELROSE ST	0.96 SW	W JUDSON ST	0.46 SW
MILTON ST	0.97 SW	W LOCUST ST	0.36 SW
N ARCADE ST	0.84 NW	W MAPLE ST	0.35 NW
N CLARK ST	0.22 NW	W MONROE ST	0.71 SW
N DEARBORN ST	0.17 NE	W PLATT ST	0.41 NW
N DECKER ST	0.56 NW	W PLEASANT ST	0.37 NW
N ELIZA ST	0.30 NW	W QUARRY ST	0.48 NW
N FIFTH ST	0.62 NW	W SUMMIT ST	0.46 SW
N JONES ST	0.93 NW	WALNUT ST	0.71 NE
N MAIN ST	0.41 NW	WASHINGTON ST	0.64 SW
N MATTESON ST	0.24 NW	WEST APPLE ST	0.55 NW
N NIAGARA ST	0.51 NW	WEST GROVE ST	0.63 NW
N OLIVE ST	0.36 NW	WEST JAMES ST	0.45 NW
N OTTO ST	0.27 NW	WEST JEFFERSON ST	0.67 SW
N PROSPECT ST	0.74 NW	WEST JUDSON ST	0.46 SW
N SECOND ST	0.47 NW	WEST LOCUST ST	0.36 SW
N VERMONT ST	0.77 NW	WEST MAPLE ST	0.35 NW
N WALNUT ST	0.23 NE	WEST MONROE ST	0.71 SW
NILES ST	0.94 SW	WEST PLATT ST	0.41 NW
NORTH ARCADE ST	0.84 NW	WEST PLEASANT ST	0.37 NW
NORTH CLARK ST	0.22 NW	WEST QUARRY ST	0.48 NW
NORTH DEARBORN ST	0.17 NE	WEST SUMMIT ST	
NORTH DECKER ST	0.56 NW	YALE AVE	0.46 SW
NORTH ELIZA ST	0.30 NW	a i savav 27. V 20	0.73 NE

APPENDIX D

Laboratory Reports





Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530267

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-1

Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

Analyte	Result	<u> Units</u>	Result <u>Flaq</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation Limit
Extraction Prep EXTRACTABLE HYDROCARBONS-WATER	complete			jlc	09/30/1999	IOWA-0A2	
Total Extractable Hydrocarbons	<380	ug/L		sjg	10/01/1999	IA-0A2/S-8015	380
Diesel	<380	ug/L		sjg	10/01/1999	IA-0A2/S-8015	360
Gasoline	<380	ug/L		sjg	10/01/1999	IA-0A2/S-8015	380
Motor Gil VOLATILES - BTEX (WATER)	<380	ug/L		sjg	10/01/1999	IA-0A2/S-8015	380
Benzene	<2.0	ug/L		asz	09/29/1999	IA-OA1	2.0
Toluene	<2.0	ug/L		asz	09/29/1999	TA-OA1	2.0
Ethylbenzene	<2.8	ug/L		asz	09/29/1999	IA-OA1	2.0
Xylenes, Total	<3,0	ug/L		asz	09/29/1999	IA-OA1	3.0

R.L. Bindert



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722 10/12/1999

Job Number: 99.12483

Sample Number: 530268

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-9

Clinton Engines

Date Taken: 09/24/1999

Date Received: 09/25/1999

<u>Analyte</u>	Result	<u>Unite</u>	Result <u>Flag</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	QuantitationLimit
Extraction Prep EXTRACTABLE HYDROCARBONS-WATER	complete		**	ajp	10/01/1999	ICWA-DA2	
Total Extractable Hydrocarbons	<380	ug/L		sjg	10/04/1999	IA-0A2/S-8015	380
Diesel	<380	ug/L		sjg	10/04/1999	IA-0A2/S-8015	380
Gasoline	<380	ug/L		sjg	10/04/1999	TA-0A2/S-8015	380
Motor Gil	<380	ug/L		sjg	10/04/1999	IA-OA2/S-8015	380
VOLATILES - BTEX (WATER)							
Benzene	<4.0	ug/L		asz	09/29/1999	IA-QA1	2.0
Toluene	5.8	ug/L		882	09/29/1999	IA-OA1	2.0
Ethylbenzene	<4.0	ug/L		asz	09/29/1999	TA-OA1	2.8
Xylenes, Total	<6.0	ug/L		asz	09/29/1999	IA-CA1	3.0

R.L. Bindert



Paul Loete

10/12/1999

MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

Job Number: 99.12483

Sample Number: 530269

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-2

Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	Result <u>Fla</u> g	Analyst	Date <u>Analyzed</u>	<u>Method</u>	Quantitation <u>Limit</u>
Cyanide, Total	<0.0050	mg/L		cjh	09/29/1999	EPA 335.4	0.0050
ICP Metals - E 200.7	Complete	mg/L		llw	09/28/1999		
Antimony, ICP	<0.10	mg/L		llw	09/28/1999	EPA 200.7	0.10
Arsenic, ICF	<0.080	mg/L		llw	09/28/1999	EPA 200.7	0.080
Beryllium, ICP	<0.010	mg/L		llw	09/28/1999	EPA 200.7	0.010
Cadmium, ICP	<0.020	mg/L		llw	09/28/1999	EPA 200.7	0.020
Chromium, ICP	<0.020	mg/L	MSO	11w	09/28/1999	EPA 200,7	0.020
Copper, ICP	<0.020	mg/L		llw	09/28/1999	EPA 200.7	0.020
Lead, ICP	<0.10	mg/L		llw	09/28/1999	EPA 200.7	0.10
Nickel, ICP	<0.050	mg/L		llw	09/28/1999	EPA 200.7	0.050
Selenium, TCP	<0.15	mg/L		llw	09/28/1999	EPA 200.7	0.15
Silver, ICF	<0.020	mg/L		llw	09/28/1999	EPA 200.7	0.020
Thallium, ICP	<1.0	mg/L		llw	09/28/1999	EPA 200.7	1.0
Zinc, ICP	0.058	mg/L		11w	09/28/1999	BPA 200.7	0.028
Mercury, Cold Vapor	<0.00020	mg/L		1mc	09/29/1999	EPA 245.1	0.0002
Prep, FEST/PCB'S Aqueous	complete			sak	09/28/1999	SW 3510	
PESTICIDES/PCB'S - Aqueous							
PCB-1016/1242	<1.0	ug/L		sjg	09/30/1999	SW 8082	1.0
PCB-1221	<1.0	ug/L		sjg	09/30/1999	SW 8082	1.0
PCB-1232	<1.0	ug/L		sjg	09/30/1999	SW 8082	1.0
PCB-1248	<1.0	ug/L		ajg	09/30/1999	SW 8082	1.0
PCB-1354	<1.0	ug/L		sjg	09/30/1999	SW 8082	1.0

MSO - MS and/or MSD are out of control for this analyte

R.L. Bindert



Paul Loete

MISSMAN STANLEY & ASSOC.

2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530269

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-2

Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

Analyte	<u>Result</u>	<u>Units</u>	Result Flag	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation <u>Limit</u>
PCB-1268	<1.0 <1.0	ug/L ug/L		sjg sjg	09/30/1999 09/30/1999	SW 8082 SW 8082	1.0

R.L. Bindert Operations Manager

704 ENTERPRISE DRIVE / CEDAR FALLS, IA 50613 / 319-277-2401 / FAX: 319-277-2425 / 800-750-2401



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530270

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-6

Clinton Engines

Date Taken: 09/24/1999

Date Received: 09/25/1999

<u>Analyte</u>	Result	<u>Units</u>	Result <u>Flaq</u>	<u>Analyst</u>	Date <u>Analyzed</u>		Method	Quantitation <u>Limit</u>
VOLATILE COMPOUNDS - 8260								÷
Acetone	<10,000	ug/L		đmđ	10/06/1999	C.	W 8260B	10.000
Benzene	<200	ug/L		dnd	10/06/1999		# 8260B	10,000 200
Bromobenzene	<500	ug/L		dmd	10/06/1999		# 8260B	500
Bromochloromethane	<500	ug/L		dind	10/06/1999		. 8260B	500
Bromodichloromethane	<500	ug/L		dmd	10/06/1999		8260B	500
Bromoform	<1,000	ug/L		dma	10/06/1999		8260B	1,000
Bromomethane	<2,000	ug/L		dmd	10/06/1999		8260B	2,000
2-Butanone (MEK)	<5,000	ug/L		dmd	10/06/1999		8260B	5,000
n-Butylbenzene	<500	ug/L		dad	10/06/1999		82608	500
sec-Butylbenzene	<500	ug/L		clmcl.	10/06/1999		82608	500
tert-Butylbenzene	<500	ug/L		dmd	10/06/1999		8260B	500
Carbon Tetrachloride	<500	ug/L		dmd	10/06/1999		8260B	500
Chlorobenzene	<500	ug/L		dmd	10/06/1999		8260B	500
Chlorodibromomethane	<500	ug/L		địđ	10/06/1999		8260B	500
Chloroethane	<2,000	ug/L		dmd	10/06/1999		8260B	2,000
Chloroform	<500	ug/L	4	dmd	10/06/1999		8260B	500
Chloromethane	<500	ug/L		dmd	10/06/1999		8260B	500
2-Chlorotoluene	<500	ug/L		dmd	10/06/1999		8260B	500
4-Chlorotoluene	<500	ug/L		dmd	10/06/1999		8260B	500
1,2-Dibromo-3-Chloropropane	<5,000	ug/L		dmd	10/06/1999		8260B	5,000
1,2-Dibromoethane (EDB)	<5,000	ug/L		dad	10/06/1999		8260B	5,000

R.L. Bindert Operations Manager

704 ENTERPRISE DRIVE / CEDAR FALLS, IA 50613 / 319-277-2401 / FAX: 319-277-2425 / 800-750-2401



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530270

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-6

Clinton Engines

Date Taken: 09/24/1999

Date Received: 09/25/1999

Analyte	Result	<u>Units</u>	Result <u>Flaq</u>	Analyst	Date <u>Analyzed</u>		<u>Method</u>	Quantitation <u>Limit</u>
Dibromomethane	<500	ug/L		dind	10/06/1999	C)	v 8260B	F 2.2
1,2-Dichlorobenzene	<500	ug/L		dmd	10/06/1999		6260B	500
1,3-Dichlorobenzene	<500	ug/L		dmd	10/06/1999		8260B	500 500
1,4-Dichlorobenzene	<500	ug/L		dmd	10/06/1999		8260B	
Dichlorodifluoromethane	<1,500	ug/L		dmd	10/06/1999		8260B	500
1,1-Dichloroethane	<500	ug/L		dmd	10/06/1999		8260B	1,500
1,2-Dichloroethane	<500	ug/L		dmd	10/06/1999		8260B	500
1,1-Dichloroethene	<1,000	ug/L		dmd	10/06/1999		8260B	500
cis-1,2-Dichloroethene	<500	ug/L		dmd	10/06/1999		8260B	1,000
trans-1,2-Dichloroethene	<500	ug/L		dad	10/06/1999		8260B	500
1,2-Dichloropropane	<500	ug/L		dmd	10/06/1999		8260B	500
1,3-Dichloropropane	<500	ug/L		dmd	10/06/1999		8260B	508
2,2-Dichloropropane	<500	ug/L		dnd	10/06/1999		8260B	500
1,1-Dichloropropene	<500	ug/L		dmd	10/06/1999		8260B	500
cis-1,3-Dichloropropene	<500	ug/L		dmd	10/06/1999		8260B	500
trans-1,3-Dichloropropene	<500	ug/L		dmd	10/06/1999		8260B	500
Ethylbenzene	<500	ug/L		dnd	10/06/1999		8260B	500
Hexachlorobutadiene	<2,500	ug/L		dad	10/06/1999		8260B	500
Isopropylbenzene	<500	ug/L		dmd	10/06/1999			2,500
p-Isopropyltoluene	<500	ug/L		dmd	10/06/1999		8260B	500
Methylene Chloride	<5,000	ug/L			10/06/1999		8260B	500
MTBE	<500	ug/L			10/06/1999		82608	5,000
		-5/		valetes.	TO1001 TAAA	58	8260B	508

R.L. Bindert



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530270

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-6

Clinton Engines

Date Taken: 09/24/1999

Date Received: 09/25/1999

Analyte	Result	<u>Units</u>	Result <u>Flaq</u>	<u>Analyst</u>	Date <u>Analyzed</u>		<u>Method</u>	Quantitation <u>Limit</u>
Naphthalene	<2,500	ug/L		dmd	10/06/1999	SI	₹ 8260B	2.500
n-Propylbenzene	< 500	ug/L		dmd	10/06/1999		₹ 8260B	500
Styrene	<500	ug/L		dınd	10/06/1999		7 8260B	500
1,1,1,2-Tetrachloroethane	<500	ug/L		dmd	10/06/1999		8260B	500
1,1,2,2-Tetrachloroethane	<500	ug/L		dad	10/06/1999		8260B	500
Tetrachloroethene	<500	ug/L		dmd	10/06/1999		8260B	500
Toluene	673,000	ug/L		dmd	10/08/1999		8260B	1,000
1,2,3-Trichlorobenzene	<2,500	ug/L		đmđ	10/06/1999		8260B	2,500
1,2,4-Trichlorobenzene	<2,500	ug/L		dmd	10/06/1999		8260B	2,500
1,1,1-Trichloroethane	<500	ug/L		dmd	10/06/1999		9260B	500
1,1,2-Trichloroethane	<500	ug/L		dmd	10/06/1999		8260B	500
Trichloroethylene	<500	ug/L		dmd	10/06/1999		8260B	500
Trichlorofluoromethane	<2,000	ug/L		dmd	10/06/1999		8260B	
1,2,3-Trichloropropane	<500	ug/L		dmd.	10/06/1999		8260B	2,000
1,2,4-Trimethylbenzene	<500	ug/L		dnd	10/06/1999		8260B	500
1,3,5-Trimethylbenzene	<500	ug/L		dnd	10/06/1999		8260B	500
Vinyl Chloride	<500	ug/L		dmd	10/06/1999			500
Xylenes, Total	<1,500	ug/L		dmd	10/06/1999		8260B	500
•		~y, ~	ž.,	CHICA	T0\00\T333	SW	8260B	1,500

R.L. Bindert



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722 10/12/1999

Job Number: 99.12483

Sample Number: 530271

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-3

Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	Result <u>Flaq</u>	<u>Analyst</u>	Date <u>Analyzed</u>	Method	QuantitationLimit
VOLATILE COMPOUNDS - 8260							
Acetone	<200	ug/L		dind	10/04/1999	SW 8260B	200
Benzene	56.0	ug/L		dmd	10/04/1999	SW 8260B	5
Bromobenzene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
Bromochloromethane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
Bromodichloromethane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
Bromoform	<20	ug/L		ama	10/04/1999	SW 8260B	20
Bromomethane	<40	ug/L		dmd	10/04/1999	SW 8260B	40
2-Butanone (MEK)	<100	ug/L		dind	10/04/1999	SW 8260B	180
n-Butylbenzene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
sec-Butylbenzene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
tert-Butylbenzene	10.2	ug/L		dmd	10/04/1999	SW 8260B	10
Carbon Tetrachloride	<10	ug/L		đma	10/04/1999	SW 8260B	1.0
Chlorobenzene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
Chlorodibromomethane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
Chloroethane	<40	ug/L		dmd	10/04/1999	SW 8260B	40
Chloroform	<10	ug/L		dmd	10/04/1999	SW 8260B	10
Chloromethane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
2-Chlorotoluene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
4-Chlorotoluene	<1.0	ug/L		dmd	10/04/1999	SW 8260B	10
1,2-Dibromo-3-Chloropropane	<100	ug/L		dmd	10/04/1999	SW 8260B	100
1,2-Dibromoethane (EDB)	<100	ug/L		dmd	10/04/1999	SW 8260B	180

R.L. Bindert



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530271

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-3

Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

<u>Analyte</u>	Result	<u>Units</u>	Result <u>Flaq</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u> Method</u>	Quantitation <u>Limit</u>
Dibromomethane	<10	ug/L	*	dmd	10/04/1999	SW 8260B	10
1,2-Dicklorobenzene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
1,3-Dichlorobenzene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
1,4-Dichlorobenzene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
Dichlorodifluoromethane	<30	ug/L		dmd	10/04/1999	SW 8260B	30
1,1-Dichloroethane	<10	ug/L		ama	10/04/1999	SW 8260B	10
1,2-Dichloroethane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
1,1-Dichloroethene	14.7	ug/L		dad	10/04/1999	SW 8260B	20
cis-1,2-Dichloroethene	1,940	ug/L		dmd	10/04/1999	SW 8260B	10
trans-1,2-Dichloroethene	14.5	ug/L		dmd	10/04/1999	SW 8260B	10
1,2-Dichloropropane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
1,3-Dichloropropane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
2,2-Dichloropropane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
1,1-Dichloropropene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
cis-1,3-Dichloropropene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
trans-1,3-Dichloropropene	<10	ug/L		dmd	10/04/1999	SW 8260B	1.0
Ethylbenzene	246	ug/L		dmd	10/04/1999	SW 8260B	10
Hexachlorobutadiene	<50	ug/L		dmd	10/04/1999	SW 8260B	50
Isopropylbensene	<10	ug/L		død	10/04/1999	SW 8260B	10
p-Isopropyltoluene	17.4	ug/L		dind	10/04/1999	SW 8260B	10
Methylene Chloride	<100	ug/L	j.	dmd	10/04/1999	SW 8260B	100
MIBE	<10	ug/L			10/04/1999	SW 8260B	10

R.L. Bindert Operations Manager



Paul Loete

10/12/1999

MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

Job Number: 99.12483

Sample Number: 530271

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-3

Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	Result <u>Flaq</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation Limit
Naphthalene	58.9	ug/L		dmd.	10/04/1999	SW 8260B	50
n-Propylbenzene	13.0	ug/L		dmd	10/04/1999	SW 8260B	10
Styrene	<10	ug/L		dmd	10/04/1999	SW 8260B	10
1,1,1,2-Tetrachloroethane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
1,1,2,2-Tetrachloroethane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
Tetrachloroethene	<10	ug/L		dud	10/04/1999	SW 8260B	10
Toluene	72.5	ug/L		dmd	10/04/1999	SW 8260B	10
1,2,3-Trichlorobenzene	<50	ug/L		dmd	10/04/1999	SW 8260B	50
1,2,4-Trichlorobenzene	<50	ug/L		dmd	10/04/1999	SW 8260B	50
1,1,1-Trichloroethane	<10	ug/L	1	dmd	10/04/1999	SW 8260B	10
1,1,2-Trichloroethane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
Trichloroethylene	170	ug/L		dmd	10/04/1999	SW 8260B	10
Trichlorofluoromethane	<40	ug/L		dmd	10/04/1999	SW 8260B	40
1,2,3-Trichloropropane	<10	ug/L		dmd	10/04/1999	SW 8260B	10
1,2,4-Trimethylbenzene	148	ug/L		dmd	10/04/1999	SW 8260B	10
1,3,5-Trimethylbenzene	39.9	ug/L		dmđ	10/04/1999	SW 8260B	10
Vinyl Chloride	494	ug/L		dmd	10/04/1999	SW 8260B	10
Xylenes, Total	382	ug/L		dmd	10/04/1999	SW 8260B	30

R.L. Bindert



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530272

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-1-2 (5-7') Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

Analyte	Result	<u>Units</u>	Result Flag	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	QuantitationLimit
Extraction Prep, soil EXTRACTABLE HYDROCARBONS-SOIL	complete			jlc	10/01/1999	IOWA-8A2	
Total Extractable Hydrocarbons	<10	mg/kg		asz	10/01/1999	IA-0A2/S-8015	10
Diesel	<10	mg/kg		ass	10/01/1999	IA-0A2/S-8015	10
Gasoline	<10	mg/kg		asz	10/01/1999	IA-0A2/S-8015	10
Motor Oil VOLATILES - BTEX (NONAQUEOUS)	<10	mg/kg		asz	10/01/1999	IA-CA2/S-8015	10
Benzene	<0.25	ug/g		asz	10/01/1999	TA-OA1	
Toluene	<0.5	ug/g		asz	10/01/1999	IA-OAI	0.25
Ethylbenzene	<0.5	ug/g		asz	10/01/1999	IA-OA1	0.5
Xylenes, Total	<0.5	ug/g		asz	10/01/1999	IA-OA1	0.5 0.5

R.L. Bindert Operations Manager

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Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530273

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-4-3 (10-12') Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

<u>Analyte</u>	Result	<u>Units</u>	Result <u>Flag</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation Limit
Extraction Frep, soil EXTRACTABLE HYDROCARBONS-SOIL	complete			jle	10/01/1999	IOWA-0A2	
Total Extractable Hydrocarbons	240	mg/kg		asz	10/04/1999	IA-OA2/S-8015	50
Diesel	<50	mg/kg		asz	10/04/1999	IA-0A2/S-8015	50
Gasoline	<50	mg/kg		asz	10/04/1999	IA-0A2/S-8015	50
Motor Oil	240	mg/kg		asz	10/04/1999	IA-0A2/S-8015	50
VOLATILES - BTEK (NONAQUEOUS)						,	
Benzene	0.68	ug/g		882	10/01/1999	IA-OA1	0.5
Toluene	1.0	ug/g		asz	10/01/1999	IA-OA1	1
Sthylbenzene	<1	ug/g		asz	10/01/1999	IA-OA1	1
Xylenes, Total	2.5	ug/g		asz	10/01/1999	IA-OA1	1

R.L. Bindert Operations Manager



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530274

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-9-4 (5-7') Clinton Engines

Date Taken: 09/24/1999

Date Received:

09/25/1999

Analyte	<u>Result</u>	<u>Units</u>	Result <u>Flag</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation Limit
Extraction Prep, soil EXTRACTABLE HYDROCARBONS-SOIL	complete			jdm	10/05/1999	IOWA-0A2	
Total Extractable Hydrocarbons	<10	mg/kg		asz	10/06/1999	IA-0A2/S-8015	10
Diesel	<10	mg/kg		asz	10/06/1999	IA-0A2/S-8015	18
Gasoline	<10	mg/kg		asz	10/06/1999	IA-0A2/S-8015	1.0
Motor Cil VOLATILES - BTEX (NONAQUEOUS)	<10	mg/kg		asz	10/06/1999	IA-OA2/S-8015	10
Benzene							
Toluene	<0.25	ug/g		882	10/01/1999	TA-OA1	0.25
	<0.5	ug/g		asz	10/01/1999	IA-OA1	0.5
Ethylbenzene	<0.5	ug/g		asz	10/01/1999	IA-OA1	0.5
Xylenes, Total	<0.5	ug/g		asz	10/01/1999	IA-OA1	0.5

R.L. Bindert Operations Manager



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530275

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-2-3 (10-12') Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

Analyte	Result	<u>Units</u>	Result <u>Flag</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation <u>Limit</u>
Cyanide, Total	<0.50	mg/kg		cjh	10/06/1999	SW 9012	0.50
% Solids	80.01	*		sas	09/28/1999		1
Mercury, CVAA	0.035	mg/kg		lmc	09/29/1999	EPA 245.5	0.020
TCP Metals Prep (Solid)	1.038	g		mpc	10/01/1999		
ICP Metals-Solid	Complete	mg/kg		maw	10/04/1999	SW 6010B	
Antimony, ICP	<5.0	mg/kg	MSO	maw	10/04/1999	SW 6010B	5.0
Arsenic, ICP	<4.0	mg/kg		maw	10/04/1999	SW 6010B	4.0
Beryllium, ICP	0.735	mg/kg		maw	10/04/1999	SW 6010B	0.50
Cadmium, TCP	1.1	mg/kg		wsm	10/04/1999	SW 6010B	1.0
Chromium, ICP	9.8	mg/kg		maw	10/04/1999	SW 6010B	1.0
Copper, ICP	21	mg/kg		maw	10/04/1999	SW 6010B	1.0
Lead, ICP	11	mg/kg		maw	10/04/1999	SW 6010B	5.0
Nickel, ICP	1.6	mg/kg	;	maw	10/04/1999	SW 6010B	2.5
Selenium, ICP	<7.5	mg/kg		maw	10/04/1999	SW 6010B	7.5
Silver, ICP	<1.0	mg/kg		maw	10/04/1999	SW 6010B	1.0
Thallium, ICP	<50	mg/kg		maw	10/04/1999	SW 6010B	50
Zine, ICP	55	mg/kg		maw	10/04/1999	SW 6010B	1.0
Prep, PEST/PCB'S NONAQUEOUS	complete			asz	09/27/1999	SW 3540	2.0
PESTICIDES/PCB'S Non-Aqueous					, ,		
PCB-1016/1242	<0.5	ug/g		sig	09/28/1999	SW 8082	0.5
PCB-1221	<0.5	ug/g		sjg	09/28/1999	SW 8082	0.5
FCB-1232	<0.5	ug/g		øjg	09/28/1999	SW 8082	0.5

MSO - MS and/or MSD are out of control for this analyte

R.L. Bindert

Operations Manager

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Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530275

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-2-3 (10-12') Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

Alalyte	Result	<u> Unite</u>	Result <u>Flaq</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation <u>Limit</u>
PCB-1248	<0.5	ug/g	,	sjg	09/28/1999	SW 8082	0.5
PCB-1254	<0.5	ug/g		sjg	09/28/1999	SW 8082	0.5 8.5
PCB-1260	<0.5	ug/g		sjg	09/28/1999	SW 8082	0,5
PCB-1268	<0.5	ug/g		ajg	09/28/1999	SW 8082	0.5

R.L. Bindert Operations Manager



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530276

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-6-3 Clinton Engines

Date Taken: 09/24/1999

Date Received: 09/25/1999

<u>Analyte</u>	Result	<u>Units</u>	Result <u>Flag</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation <u>Limit</u>
VOLATILES 8260 NON-AQUEOUS							
Benzene	<120	ug/kg		nunk	30/00/000		
Bromobenzene	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
Bromochloromethane	<120	ug/kg		mmk.	10/07/1999	SW 8260B	120
Bromodichloromethane	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
Bromoform	<240	ug/kg		nmk	10/07/1999	SW 8260B	120
Bromomethane	<480	ug/kg		mmk	10/07/1999	SW 8260B	240
n-Butylbenzene	<120	ug/kg		mmk.	10/07/1999	SW 8260B	480
sec-Butylbenzene	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
tert-Butylbenzene	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
Carbon tetrachloride	<120	ug/kg			10/07/1999	SW 8260B	120
Chlorobenzene	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
Chlorodibromomethane	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
Chloroethane	<480	ug/kg		mmk	10/07/1999	SW 8260B	120
Chloroform	<120	ug/kg ug/kg	٠	mmk	10/07/1999	SW 8260B	480
Chloromethane	<480			mmk	10/07/1999	SW 8260B	120
2-Chlorotoluene	<130	ug/kg		nmk	10/07/1999	SW 8260B	480
4-Chlorotoluene	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
1,2-Dibromo-3-chloropropane		ug/kg		mmk	10/07/1999	SW 8260B	120
1,2-Dibromoethane	<1,200	ug/kg		mmic	10/07/1999	SW 8260B	1,200
Dibromomethane	<1,200	ug/kg		mmk	10/07/1999	SW 8260B	1,200
1,2-Dichlorobenzene	<120	ug/kg		mmic	10/07/1999	SW 8260B	120
A THE STREET OF THE STREET	<120	ug/kg		$mm_{\mathcal{E}}$	10/07/1999	SW 8260B	120

R.L. Bindert Operations Manager

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Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530276

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-6-3 Clinton Engines

Date Taken: 09/24/1999

Date Received: 09/25/1999

<u>Analyte</u>	Result	<u>Units</u>	Result <u>Flaq</u>	Analyst	Date <u>Analyzed</u>		<u>Method</u>	Quantitation
1,3-Dichlorobenzene	<120	ug/kg		mmk	10/07/1999	S	7 8260B	120
1,4-Dichlorobenzene	<120	ug/kg		mmk	10/07/1999	Si	8260B	120
Dichlorodifluoromethane	<360	ug/kg	1	mmk	10/07/1999	SI	8260B	360
1,1-Dichloroethane	<120	ug/kg		mmk	10/07/1999	SV	8260B	120
1,2-Dichloroethane	<120	ug/kg		mmk	10/07/1999	SV	8260B	120
1,1-Dichloroethene	<120	ug/kg		annik	10/07/1999	SW	8260B	120
cis-1,2-Dichloroethene	<120	ug/kg		mmk	10/07/1999	SW	8260B	120
trans-1,2-Dichloroethene	<120	ug/kg		mmk	10/07/1999	SW	8260B	120
1,2-Dichloropropane	<120	ug/kg		mmk	10/07/1999	SM	8260B	120
1,3-Dichloropropane	<120	ug/kg		mmk	10/07/1999	SW	8260B	120
2,2-Dichloropropane	<120	ug/kg		mmk	10/07/1999	SW	8260B	120
1,1-Dichloropropene	<120	ug/kg		mmk.	10/07/1999	SW	8260B	120
cis-1,3-Dichloropropene	<120	ug/kg		mmk	10/07/1999	SW	8260B	126
trans-1,3-Dichloropropene	<120	ug/kg		mmk	10/07/1999	SW	8260B	128
Ethylbenzene	786	ug/kg		mmk	10/07/1999	SW	8260B	120
Hexachlorobutadiene	<600	ug/kg		mmk	10/07/1999	SW	8260B	600
Isopropylbenzene	<120	ug/kg		mmk	10/07/1999	SW	8260B	120
p-Isopropyltoluene	<120	ug/kg		nunk	10/07/1999	SW	8260B	120
Methylene chloride	<1,200	ug/kg		nmk	10/07/1999	SW	8260B	1,200
MTBE	<120	ug/kg		mmk	10/07/1999	SW	8260B	120
Naphthalene	<600	ug/kg		mmk	10/07/1999	SW	8260B	600
n-Propylbenzene	<120	ug/kg		mmk.	10/07/1999	SW	8260B	128

R.L. Bindert



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530276

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-6-3 Clinton Engines

Date Taken: 09/24/1999

Date Received: 09/25/1999

<u>Analyte</u>	Result	<u>Units</u>	Result <u>Flaq</u>	Analyst	Date <u>Analyzed</u>	Method	Quantitation <u>Limit</u>
Styrene	<120	ug/kg		mmk	10/07/1999	SW 82608	120
1,1,1,2-Tetrachloroethane	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
1,1,2,2-Tetrachloroethane	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
Tetrachloroethene	<120	ug/kg		mmk.	10/07/1999	SW 8260B	120
Toluene	604,000	ug/kg		mmJc	10/07/1999	SW 8260B	1,200
1,2,3-Trichlorobenzene	<600	ug/kg		mmk	10/07/1999	SW 6260B	600
1,2,4-Trichlorobenzene	<600	ug/kg		menk	10/07/1999	SW 8260B	600
1,1,1-Trichloroethane	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
1,1,2-Trichloroethane	<120	ug/kg		mmk.	10/07/1999	SW 8260B	120
Trichloroethylene	<120	ug/kg		mmk.	10/07/1999	SW: 8260B	120
Trichlorofluoromethane	<480	ug/kg		mmk	10/07/1999	SW 8260B	480
1,2,3-Trichloropropane	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
1,2,4-Trimethylbenzene	268	ug/kg		mmk	10/07/1999	SW 8260B	120
1,3,5-Trimethylbenzene	<120	ug/kg		mmk	10/07/1999	SW 8260B	120
Vinyl Chloride	<360	ug/kg		mmk.	10/07/1999	SW 8260B	360
Xylenes, Total	2,690	ug/kg	ı	mmic	10/07/1999	SW 8260B	120

R.L. Bindert Operations Manager

704 ENTERPRISE DRIVE / CEDAR FALLS, IA 50613 / 319-277-2401 / FAX: 319-277-2425 / 800-750-2401



Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530277

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-3-1 (0-3') Clinton Engines

Date Taken: 09/23/1999

Date Received: 09/25/1999

<u>Analyte</u>	Result	<u>Units</u>	Result <u>Flaq</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation <u>Limit</u>
Cyanide, Total Mercury, CVAA	0.63 0.031	mg/kg mg/kg		cjh	10/06/1999	SW 9012	0.50
ICP Metals Prep (Solid)	1.058	ā ##3\##3		lmc mpc	09/29/1999 10/01/1999	EPA 245.5	0.020
ICP Metals-Solid Antimony, ICP	Complete	mg/kg	,	maw	10/04/1999	SW 6010B	
Arsenic, ICP	<4.0	mg/kg mg/kg		maw maw	10/04/1999 10/04/1999	SW 6010B SW 6010B	5.0 4.0
Beryllium, ICP Cadmium, ICP	0.623	mg/kg		maw	10/04/1999	SW 6010B	0.50
Chromium, ICP	3.4 160	mg/kg mg/kg		maw	10/04/1999	SW 6010B SW 6010B	1.0 1.0
Copper, ICP Lead, ICP	490 230	mg/kg		maw	10/04/1999	SW 6010B	1.0
Nickel, ICP	30	mg/kg mg/kg		maw maw	10/04/1999	SW 6010B SW 6010B	5.0 2.5
Selenium, TCP Silver, TCP	<7.5 <1.0	mg/kg		maw	10/04/1999	SW 6010B	7.5
Thallium, ICP	<50	mg/kg mg/kg		maw	10/04/1999	SW 6010B SW 6010B	1.0 50
Zinc, ICP	810	mg/kg		maw	10/04/1999	SW 6010B	1.0

R.L. Bindert



ANALYTICAL REPORT

Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530278

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-7-2

Clinton Engines

Date Taken: 09/24/1999

Date Received: 09/25/1999

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	Result <u>Flag</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation Limit
Cyanide, Total	<0.50	mg/kg		cjh	10/06/1999	SW 9012	0.50
Mercury, CVAA	0.032	mg/kg		lmc	09/29/1999	EPA 245.5	0.020
ICP Metals Prep (Solid)	1.005	g		mpc	10/01/1999		6.020
ICP Metals-Solid	Complete	mg/kg		maw	10/04/1999	SW 6010B	
Antimony, ICP	<5.0	mg/kg		maw	10/04/1999	SW 6010B	5.0
Arsenic, ICP	6.0	mg/kg		maw	10/04/1999	SW 6010B	4.0
Beryllium, ICP	0.762	mg/kg		maw	10/04/1999	SW 6010B	0.50
Cadmium, ICP	1.4	mg/kg		maw	10/04/1999	SW 6010B	1.0
Chromium, ICP	7.2	mg/kg		maw	10/04/1999	SW 6010B	1.0
Copper, ICP	13	mg/kg		maw	10/04/1999	SW 6010B	1.0
Lead, ICP	11	mg/kg		maw	10/04/1999	SW 6010B	5.0
Nickel, ICP	22	mg/kg		maw	10/04/1999	SW 6010B	3.5
Selenium, ICP	<7.5	mg/kg		maw	10/04/1999	SW 6010B	7.5
Silver, ICP	<1.0	mg/kg		maw	10/04/1999	SW 6010B	1.0
Thallium, ICP	<50	mg/kg		maw	10/04/1999	SW 6010B	50
Zinc, ICP	39	mg/kg		maw	10/04/1999	SW 6010B	1.0

R.L. Bindert

Operations Manager



ANALYTICAL REPORT

Paul Loete MISSMAN STANLEY & ASSOC. 2415 18th St., Ste. #206 Bettendorf, IA 52722

10/12/1999

Job Number: 99.12483

Sample Number: 530279

Project ID: Clinton Engines/Maquoketa #C99E028

Sample ID: B-8-1

Clinton Engines

Date Taken: 09/24/1999

Date Received: 09/25/1999

Analyte	<u>Result</u>	Units	Result <u>Flaq</u>	<u>Analyst</u>	Date <u>Analyzed</u>	<u>Method</u>	Quantitation
Cyanide, Total Mercury, CVAA ICF Metals Prep (Solid) ICP Metals-Solid Antimony, ICP Arsenic, ICP Beryllium, ICP Cadmium, ICP Chromium, ICP Chromium, ICP Lead, ICP Nickel, ICP Selenium, ICP Silver, ICP Thallium, ICP Einc, ICP	<0.50 0.024 1.009 Complete <5.0 <4.0 0.664 <1.0 6.2 10 14 12 <7.5 <1.0 <50 220	mg/kg mg/kg g mg/kg		cjh Imc mpc maw	10/06/1999 09/29/1999 10/01/1999 10/04/1999 10/04/1999 10/04/1999 10/04/1999 10/04/1999 10/04/1999 10/04/1999 10/04/1999 10/04/1999 10/04/1999 10/04/1999 10/04/1999 10/04/1999	SW 9012 EPA 245.5 SW 6010B	0.50 8.020 5.0 4.0 0.50 1.0 1.0 1.0 5.8 2.5 7.5 1.0

R.L. Bindert Operations Manager

704 ENTERPRISE DRIVE / GEDAR FALLS, IA 50613 / 319-277-2401 / FAX: 319-277-2425 / 800-750-2401

7-2425 7-2425 17-2425 12-25 12-25 12-25 13	AB HR TAT (SEE MOTE) AB HR TAT (SEE MOTE) STANDARD TAT (BE NOTE) Fax Results Send OC Data with report	DATE TIME
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or 1-800-750-2401 froqer ditw stad DO bnst TIME stluggy xs9 (SYACIOI) TAT CAACINATE Churton Troping Results need 2 DAY TAT (SEE NOTE) DATE 48 HE IVI (SEE HOIE) 3 Service 319 - 277 - 2401 319 - 277 - 2425 Ţ すれて Project Manager: Project Number: Project Name: ABE THEGE CARRIED OF THE SIMME --Analyze for NET Quote #: Phone invoice to: XX XX ₽ 0 #: NOTE: There may be a charge for NET disposing of sample NOTES -A0 SHIPPIED VIA Other (Specify): Fax 363440ac TIME Matrix gragge results with these turn around time commitments. Additional charges may be assessed. ž 19teW gablairC DATE NET, Inc. - Cedar Falls Division Ş membriner note: pre-arrangements must be hade at least 48 hours in advance to receive Cedar Falls, IA 50613 ther (Specify): 704 Enterprise Drive YES Vone (Black & White Label) Preservative COC SEALS PRESENT AND INVACTO (feda.) stirfW & wollsY) #OSSE (leda.I stirlW & sgns10) HOal (22) TEMPERATURE UPON RECEIT (Bue & White Label) (Isda, I stiriW & bsR) sOMH RECEIVED BY: baradiff blaf enteoquae. Company: Misser Telephone Number: 296-344-2 S HEND STOP OF TIME TIME # of Containers Shipped ₹ 2 R <u>0</u> baldma2 amIT Real 表表 NOTE: All turn around times are calculated from the time of reneipt at NET. Address: 🔌 9/2/99 T V HONE WENT A PARTY OF THE PA Ž Send Report To: DATE City/State/Zip Code: 3 0 Date Sampled ₹ E a d S S d d Š Š Š AZOLY Sampled By: (Print Name) (Signature) 1 5-7 0 BUNKE √ \$\frac{1}{2}\text{\$0\$} 8-6-3 SCEIVED FOR NET BY: RELINQUISHED BY: 4 3 Sample 1D **4**0 **4**0 **4**0 S S S 9 2 Ż

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Phone 319 - 277 - 2401 o	idapada) isang dan	TIME 44 SHIPPED VIA: ARE THESE RAMPI BG EARD NIDEAU CO.
NET, Inc Cedar Falls Division 704 Enterprise Drive Cedar Falls, IA 50613 Stanluy & Assoc A Strans A	Talewater Wastewater Coroundwater Circle Wastewater Circle Wastewa	DATE DATE
NET, Inc Ce 704 Enterprise Cedar Falls, I/ Cedar Falls, I/	Composite Composite	TIME RECEIVED BY: TIME COCSPALS PRIBBENT AND BY: \$\hat{Fig}\$ \$
NATIONAL ENVIRONMENTAL TESTING, INC. Company: No Company: No Company: No Company: No Company: No Colly/State/Zip Code: No	Sample ID 8-1 8-2 8-3-1 8-	100/HZ/P CM
NATION ENVIRO Sen City/Sta Telepho Sampled By: (Print Namo) (Signature)	Sample ID 8-1 8-2 8-2 8-3-1 6-3-1 6-3-1 NOTE: PRE-ARRANGEMENT RESULTS WITH THESE TURN	RELINCUISHED BY: RECEIVED FOR NET BY: APPLICATED FOR MET BY:



Client Information

Circuit: Missman, Stanley's & Assoc Location: Clinton Engines, East Maple Building: Building I-Office Building Project #: C99E028

Non-Asbestos Content Fibrous Other Total Glass Non-Fibrous	93-95
Cellalos	
Other Total Asbestos	5-2
Asbesses Chrystotile Chrystotile	2-3
Amosite	
Number Color Description or Number Location	B1-EFT-2 LtGm Stairway Entr. Tile

82.00	Not Analyzed		1-2 98-100		11 1	86-76	97-98	Not Analyzed	Not Analyzed
5-7 5-7		ZAS	NAD	NAD		NAD 7-3			
BI-EFT-2 LIGH Stairway Entr. Tile	H	5	BI-WAE-3 Gm Waiting Area F. Tile	11-	Bm	BI DEET 1 S En Hallway & Exit F. Tile	Gray R. W. Ormerus R.R. F. Tile	BI-RRFT-3 Gra/BkWomens RR F. Tile	

AND	03:40 Lab Ref Number: 6981	03:40 Analyst Number: is	Sample Date:
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Andrew of Collection of the Co	William Weekerly/IRB		
COC Remaining	C.O.C. Received By:	Samples Taken By:	Amalyais By:

09/22/60

Analysis Date:



Cient Information

Location: Clinton Engines, E. Maple St., Maquoketa Missman, Stanley's & Assoc. Building: Cient

Building 1 - Office Building Project #: C99E028

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Date: 09/17/99 Time Date: 09/17/99 Time Inspector Identification			Lab Ref Number	Analysi Number	Sample Date:
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C.O.C. Received By: Wendy Rouse C.O.C. Received By: William Weckerly/IRB Samples Taken By: Client		-		\$ ئ	
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		C.V.C. Reinquished By:	C.O.C. Received By:	iken By:	Ambysis By

09/22/99

Analysis Date:



Cient Information

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Missman, Stanley's & Assess	on: Clinton Engines, East Manle & Manager	D. 13 11 4 C. 100 C. 10
Missman, 6	Climton Eng	
acut.	Cation:	383 745 50

Building: Building 1-Office Building Project #: 0995028

Content Other Total	50-55 70-80 Not Analyzed 99-100 99-100 65-70 65-70 Not Analyzed Not Analyzed	
Non-Asbestes Content Fibrous Other Te		{
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Amosite		88
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Analysis By:

09/22/99

Analysis Date: Sample Date:

698

Lab Ref Number Analysi Number

Time: 03:40

06/11/60

Dage: Date

William Weckerly/JRB

C.O.C. Messaved By: Samples Taken By:

Wendy Rouse

03:40

Lim

Inspector Identification



Client Information

· · · ·	31		*****************************
Missman, Stanley's & Assoc	Clinton Engines, F. Manle St. Mc.		C99E028
ğ	Location:	Building	Poject #

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C.O.C. Received By: Wendy Rouse C.O.C. Received By: William Weckerhy/JRB Date: 09/17/99 Time 03:40 Lab Ref Number: Samples Taken By: Client Inspector Identification Sample Date: Analysis By: Analysis Dy: Analysis Date: Date: 09/17/00 Time 03:40 Lab Ref Number: Sample Date: Sample Date: Sample Date: Sample Date: Analysis Date:
William Weckerly/IRB Client Inspecto
Wandy R.
C.O.C. Reinquished By. C.O.C. Received By. Sumples Taken By. Analysis By.

09/17/99



Cient Information

Missman, Stanley's & Assoc	Clinton Engines, E. Manley St. Masser, L. F.	Building 1	C99E028
	Location	Building:	Pojest #

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Analysis Date 09/	
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Clent Information

Client: Missman, Stanley's Assoc.

Cimton Engines Maquoketa, Ia.		C99F028
	Building:	Poisk #:

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C.O.C. Reinquished By: Wendy Rouse C.O.C. Received By: William Weckerty Samples Taken By: Citem Inspector Identification	Jon Degman

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Sample Date: Analysis Date:

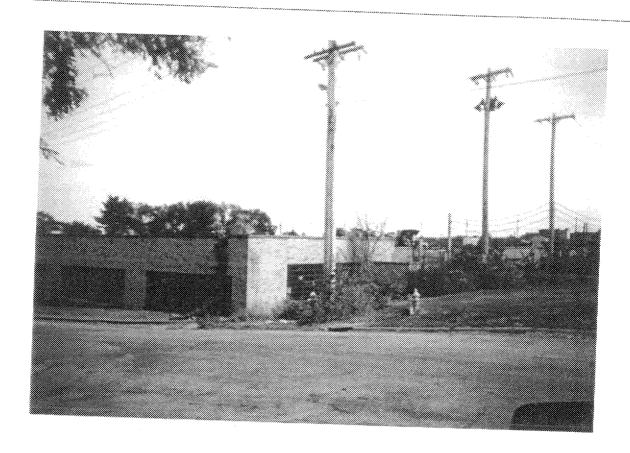
Analyst Number: JRB-01

8083

Lab Ref Number:

APPENDIX E

Photographs



A view of the subject property facing northeast.



A view of the office building facing south.



A view of the subject property facing south.



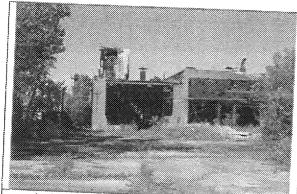
Looking south at the eastern portion of subject property. Specifically a concrete pad formerly used for drain storage.



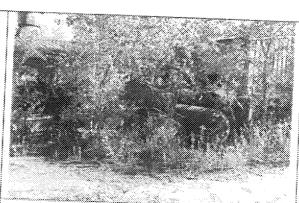
Stressed vegetation located on the north side of the main structure.



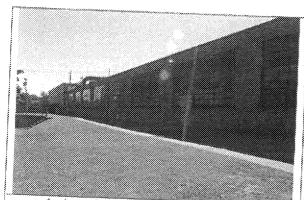
Maple Street and adjacent property located north of the subject property.



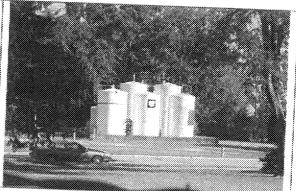
A view of the foundry structure facing west.



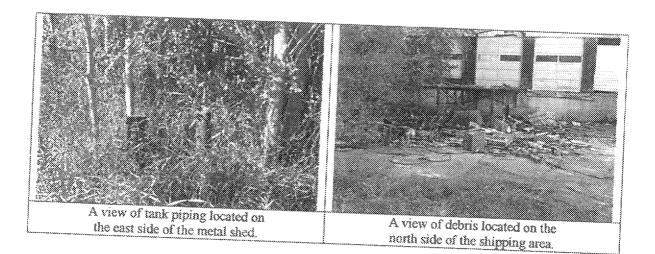
A view of drams located on the south side of the easterly building

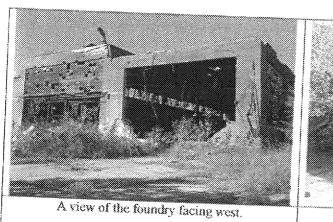


A view of the main structure facing east.



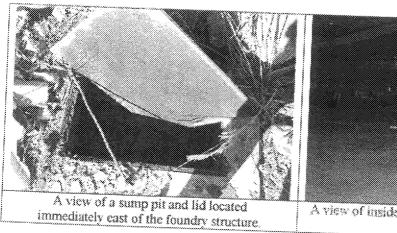
A view of Maple Street and the adjacent property to the north.







Concrete debris located immediately east of the foundry structure.





A view of inside the easterly buildings facing east.